LEED® v4
&
LEED® v4.1

REFERENCE GUIDE

12/03/2021

Product Numbers link directly to their respective certificates for convenience.

LEED®v4 New Construction, Core and Shell, Schools, Healthcare, Hospitality Contributes toward satisfying EQ CREDIT: INDOOR ENVIRONMENTAL QUALITY 7/25/2019 LOW-EMITTING MATERIALS- EMISSIONS TESTING				updated 11/09/2021	
PRODUCTS	PRODUCT NUMBERS	GREENGUARD GOLD or CDPH v1.2	TVOC	CARB/SCAQMD Category^	VOC†
ColorCast Ecotoner™(CCE) Architectural Colorant	CCE-AC series	Certified	0.5 mg/m3 or less	Colorant Architectural	<50 g/L
Pro Industrial™ Waterborne Acrylic Dryfall Flat White, Black & Ultradeep	B42W01181 B42W00181 B42B00081 B42T00081	Certified	0.5 mg/m3 or less	Dry Fog	<50 g/L
Pro Industrial™ Waterborne Acrylic Dryfall Eg-Shel	B42W00082	Certified	0.5 mg/m3 or less	Dry Fog	<50 g/L
Pro Industrial™ Waterborne Acrylic Dryfall Eg-Shel	B42W00182	Certified	between 0.5 & 5.0 mg/m3	Dry Fog	<50 g/L
Pro Industrial™ Waterborne Acrylic Dryfall Semi-Gloss	B42W00083	Certified	between 0.5 & 5.0 mg/m3	Dry Fog	<50 g/L
Duration Home® Interior Flat & Matte	A95 & A96	Certified	0.5 mg/m3 or less	Flat	<50 g/L
EcoSelect® Zero VOC Interior Latex Flat	A21W01851 & 853 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
Emerald® Designer Edition™Interior Latex Flat	K25 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
Emerald® Interior Latex Flat & Matte	K35 & K36- Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
Eminence® Interior Latex Flat Ceiling Paint	A27	Certified	0.5 mg/m3 or less	Flat	<50 g/L
Painters Edge® Interior Flat	PE45 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
ProMar® 200 Zero VOC Interior Latex Flat, Low Gloss & Low Sheen	B30, B41 & B24W2650 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
ProMar® 400 Zero VOC Interior Latex Flat & Low Sheen	B30 & B24-4650 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
ProMar® Ceiling Paint	A27W5050	Certified	0.5 mg/m3 or less	Flat	<50 g/L
Solo® Interior/Exterior Flat	A74 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
SuperPaint with Air Purifying Technology[1] Flat	A86W00061	Certified	0.5 mg/m3 or less	Flat	<50 g/L
Tuff Surface™ Premium Texture Coating Flat	A44W01050	Certified	0.5 mg/m3 or less	Flat	<50 g/L
Loxon Water Blocking Primer/Finish	LX12 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
All Surface Enamel Satin & Gloss A41-1350 &A41-1250 Series-US Only	A41-1350 & A41-1250 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
Duration Home® Interior Satin & Semi-Gloss	A97 & A98	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
EcoSelect Zero VOC Interior Latex Eg-Shel & Semi-Gloss	A22 & A20-850 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
Emerald® Designer Edition™Interior Latex Eg-Shel & Satin	K26 & K27 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
Emerald Interior Latex Satin & Semi-Gloss	K37 & K38 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
ProMar® 200 HP Zero VOC Interior Acrylic Series	B20-1900 Series B41-1900 Series B31-1900 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
ProMar® 200 Zero VOC Interior Latex Eg-Shel, Semi-Gloss	B20-2650, B20-12651 & B31-2650 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
ProMar® 200 Zero VOC Interior Latex Low Gloss Eg-Shel	B41-2600 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
ProMar® 400 Zero VOC Interior Latex Eg-Shel, Semi-Gloss	B20 & B31-4650 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
ProMar® 200 & 400 Zero VOC Interior Latex Gloss	B21-12650 Series B21-4650 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
Solo® Interior/Exterior Eg-Shel, Satin, Semi-Gloss & Gloss	A75, A73, A76 & A77-51 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
SuperPaint with Air Purifying Technology[1] Satin & Semi-Gloss	A87, A88W61 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
Armorseal® 8100 Water Based Epoxy Floor Coating	B70-8100/8160 Series	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial™ Acrylic Coating, Eg-Shel, Semi-Gloss, Gloss	B66-660 B66-1660 650 & 600 Series	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial™ DTM Primer/Finish	B66W00011	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial™ Pre-Catalyzed Epoxy Eg-Shel & Semi-Gloss	K45 & K46-1150 Series	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial™ Pre-Catalyzed Waterbased Urethane	B65W01121	Certified	between 0.5 & 5.0 mg/m3	Industrial Maintenance	<100 g/L
Pro Industrial Pro-Cryl® Primer Off White, Medium Grey & Red Oxide	B66-1300 Series	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial™ Water Based Acrolon 100	B65W00721/B65V00720	Certified	0.5 mg/m3 or less	Industrial Maintenance	<100 g/L
Pro Industrial™ Water Based Catalyzed Epoxy, Gloss & Eg-Shel	B73-300 Series	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial™ Heavy Duty Block Filler	B42W00150	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
ConFlex™ Block Filler	CF01W0050	Certified	between 0.5 & 5.0 mg/m3	P,S,U	<50 g/L
Extreme Bond™ Bonding Primer	B51-1100 Series	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Loxon® Acrylic Conditioner Clear & Guide Coat White	LX03 Series	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Loxon Concrete & Masonry Primer	LX02 Series	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Multi-Purpose Latex Primer	B51-450 Series	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
PrepRite® ProBlock® Int/Ext Latex Primer/Sealer	B51-620 Series	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
ProMar® 200 & 400 Zero VOC Interior Latex Primer	B28W02600 B28W04600	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
PVA Drywall Primer	B28W08020 B28W08030	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Quick Dry Interior/Exterior Stain Blocking Primer	B51W08670	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Zinc Clad III HS 100 (Part A, Part B, and Zinc Clad Zinc Dust Part F)	B69A110/B69V110/B69D11	Certified	0.5 mg/m3 or less	Zinc Rich IM Primer	<100 g/L

†Refer to the current EDS for specific VOCs. VOCs may vary by base and sheen.

LEED®v4 New Construction, Core and Shell, Schools, Healthcare, Hospitality Contributes toward satisfying EQ CREDIT: INDOOR ENVIRONMENTAL QUALITY- LOW-EMITTING MATERIALS 7/25/2019	updated 11/09/2021

Option 1. Product Category Calculations Achieve the threshold level of compliance with emissions and content standards for the number of product categories. **Thresholds of compliance with emissions and content standards Interior paints and coatings applied on site At least 90%, by volume, for emissions; 100% for VOC content • General Emissions Evaluation for paints and coatings applied to walls, floors, and ceilings • VOC content requirements for wet applied products Additional VOC content requirements for wet-applied products.** In addition to meeting the general requirements for VOC emissions (above), on-site wet-applied products must not contain excessive levels of VOCs, for the health of the installers and other tradesworkers who are exposed to these products. To demonstrate compliance, a product or layer must meet the following requirements, as applicable. Disclosure of VOC content must be made by the manufacturer. Any testing must follow the test method specified in the applicable regulation. All paints and coatings wet-applied on site must meet the applicable VOC limits of the California Air Resources Board (CARB) 2007, Suggested Control Measure (SCM) for Architectural Coatings, or the South Coast Air Quality Management District (SCAQMD) Rule 1113, effective June 3, 2011. · For projects in North America, methylene chloride and perchloroethylene may not be intentionally added in paints, coatings, adhesives, or sealants. The products listed above have been independently certified by UL Environment in accordance with "UL 2818 –GREENGUARD Certification Program for Chemical Emissions for Building Materials, Finishes and Furnishings, " and/or Standard referenced: CDPH/EHLB/Standard Method V1.2 (January 2017) "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers" (aka CA Section 01350). For more information, see http://www.cdph.ca.gov Building products and Interior finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using the applicable exposure scenario(s). GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com. Certificates can be found on: www.greenguard.org or www.Ul.com P,S,U= Primer, Sealer, Undercoater ^Category classification based on SCAQMD Rule 1113, 2011 and CARB 2007 SCM definitions.

Intent
To reduce concentrations of chemical contaminants that can damage air quality, human health, productivity, and the environment.

Requirements
This credit includes requirements for product manufacturing as well as project teams. It covers volatile organic compound (VOC) emissions in the indoor air and the VOC content of materials, as well as the testing methods by which indoor VOC emissions are determined. Different materials must meet different requirements to be considered compliant for this credit. The building interior and exterior are organized in seven categories, each with different thresholds of compliance. The building interior is defined as everything within the waterproofing membrane. The building exterior is defined as everything outside and inclusive of the primary and secondary weatherproofing system, such as waterproofing membranes and air- and water-resistive barrier materials.

Option 1. Product Category Calculations
Achieve the threshold level of compliance with emissions and content standards for the number of product categories.

Table 1. Thresholds of compliance with emissions and content standards

Category	Threshold	Emissions and content requirements
Interior paints and coatings applied on site	**At least 90%, by volume, for emissions; 100% for VOC content**	**• General Emissions Evaluation for paints and coatings applied to walls, floors, and ceilings** **• VOC content requirements for wet applied products**

General emissions evaluation. Building products must be tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.1–2010, (current CDPH is V1.2-2017) using the applicable exposure scenario. The default scenario is the private office scenario. The manufacturer's or third-party certification must state the exposure scenario used to determine compliance. Claims of compliance for wet-applied products must state the amount applied in mass per surface area.

Manufacturers' claims of compliance with the above requirements must also state the range of total VOCs after 14 days (336 hours), measured as specified in the CDPH Standard Method v1.1 (current CDPH is V1.2-2017):

· 0.5 mg/m3 or less;
· between 0.5 and 5.0 mg/m3; or
· 5.0 mg/m3 or more.

Additional VOC content requirements for wet-applied products. In addition to meeting the general requirements for VOC emissions (above), on-site wet-applied products must not contain excessive levels of VOCs, for the health of the installers and other tradesworkers who are exposed to these products. To demonstrate compliance, a product or layer must meet the following requirements, as applicable. Disclosure of VOC content must be made by the manufacturer. Any testing must follow the test method specified in the applicable regulation.

· All paints and coatings wet-applied on site must meet the applicable VOC limits of the California Air Resources Board (CARB) 2007, Suggested Control Measure (SCM) for Architectural Coatings, or the South Coast Air Quality Management District (SCAQMD) Rule 1113, effective June 3, 2011.
· For projects in North America, methylene chloride and perchloroethylene may not be intentionally added in paints, coatings, adhesives, or sealants.

Definitions:
µg/m³= Microgram per cubic meter
mg/m³= Milligram per cubic meter
1 µg/m³ = .001 Milligrams

interior wall and ceiling finish all the layers comprising the exposed interior surfaces of buildings, including fixed walls, fixed partitions, columns, exposed ceilings, and interior wainscoting, paneling, interior trim or other finish applied mechanically or for decoration, acoustical correction, surface fire resistance, or similar purposes.

building interior everything inside a structure's weatherproofing membrane

building exterior a structure's primary and secondary weatherproofing system, including waterproofing membranes and air- and water-resistant barrier materials, and all building elements outside that system

Category classification based on SCAQMD Rule 1113, 2011 and CARB 2007 SCM definitions.

Healthcare, Schools only
Exterior applied products. Adhesives, sealants, coatings, roofing, and waterproofing materials applied on site must meet the VOC limits of California Air Resources Board (CARB) 2007 Suggested Control Measure (SCM) for Architectural Coatings, and South Coast Air Quality Management District (SCAQMD), Rule 1168, effective July 1, 2005. Small containers of adhesives and sealants subject to state or federal consumer product VOC regulations are exempt.

Submit a list of all exterior applied materials and products used on site.

Identify the regulatory VOC content, allowable VOC limit, and the total volume used on site for each product to determine whether 90% by volume has been achieved. The regulatory VOC content must be expressed as g/L less water and exempt solvents except for low-solids coatings, which show the content in g/L less exempt solvents.

Certificates can be downloaded from the links or found on: spot.ul.com or Ul.com or on paintdocs.com

Product Numbers link directly to their respective certificates for convenience.

LEED®v4 New Construction, Core and Shell, Schools, Healthcare, Hospitality Contributes toward satisfying MR CREDIT: BUILDING PRODUCT DISCLOSURE AND OPTIMIZATION ENVIRONMENTAL PRODUCT DECLARATIONS (EPD) Product-specific Type III EPD -- Products with third-party validation						updated 11/09/2021
PRODUCTS	**PRODUCT NUMBERS**	**Declaration Number**	**Issue Date**	**Period of Validity**	**Program Operator**	**Product-Specific Type III EPD certified**
A-100® Exterior Flat, Low Sheen, Satin & Gloss	A06,A82,A12 & A08	EPD10621	09/07/2021	5 Years	NSF International	NSF Certified EPD
ArmorSeal® 8100 Waterbased Floor Epoxy	B70-8100/8600 Series	EPD10272	10/11/2019	5 Years	NSF International	NSF Certified EPD
ConFlex® Block Filler	CF01W0050	EPD10247	05/30/2019	5 Years	NSF International	NSF Certified EPD
Duartion® Exterior, Flat, Low Lustre, Satin & Gloss	K30,K32,K33 & K34	EPD10617	08/18/2021	5 Years	NSF International	NSF Certified EPD
DuraCraft® Exterior Flat, Satin & Semi-Gloss	C01, C07 & C14	EPD10622	09/07/2021	5 Years	NSF International	NSF Certified EPD
Emerald® Interior Flat, Matte, Satin & Semi-Gloss	K35,K36,K37 & K38	EPD10553	03/29/2021	5 Years	NSF International	NSF Certified EPD
Emerald® Urethane Trim Enamel Series	K37,K38 & K39	EPD10665	11/02/2021	5 Years	NSF International	NSF Certified EPD
Extreme Bond™ Bonding Primer	B51W01100	EPD10618	08/18/2021	5 Years	NSF International	NSF Certified EPD
Loxon® Acrylic Block Surfacer	LX01W0200	EPD10666	11/02/2021	5 Years	NSF International	NSF Certified EPD
Loxon® Concrete and Masonry Primer	LX02W0050	EPD10544	03/05/2021	5 Years	NSF International	NSF Certified EPD
Loxon Conditioners	LX03W0100, LX03V0100	EPD10623	09/07/2021	5 Years	NSF International	NSF Certified EPD
Multi-Purpose Latex Primer	B51W00450, B51W00453	EPD10248	05/30/2019	5 Years	NSF International	NSF Certified EPD
PrepRite® Block Filler	B25W25	EPD10545	03/05/2021	5 Years	NSF International	NSF Certified EPD
PrepRite® ProBlock®	B51W00620 B51W00623	EPD10547	03/05/2021	5 Years	NSF International	NSF Certified EPD
Pro Industrial™ Acrylic	B66-670, B66-1661, B66-600, B66-650, B66-600 Series	EPD10548	03/05/2021	5 Years	NSF International	NSF Certified EPD
Pro Industrial™ DTM Acrylic	B66-1250, B66-1150, B66-1050 Series	EPD10550	03/05/2021	5 Years	NSF International	NSF Certified EPD
Pro Industrial™ DTM Primer/Finish	B66W00011	EPD10135	05/30/2018	5 Years	NSF International	NSF Certified EPD
Pro Industrial™ Heavy Duty Block Filler	B42W00150	EPD10133	05/30/2018	5 Years	NSF International	NSF Certified EPD
Pro Industrial™ Pre-Catalyzed Waterbased Epoxy	K45W01151, K45W01153 & K45T01154	EPD10249	05/30/2019	5 Years	NSF International	NSF Certified EPD
Pro Industrial™ Pre-Catalyzed Waterbased Epoxy	K46W01151, K46W01153 & K46T01154	EPD10249	05/30/2019	5 Years	NSF International	NSF Certified EPD
Pro Industrial™ Pro-Cryl Primer	B66W01310, B66A01320 & B66N01310	EPD10554	03/29/2021	5 Years	NSF International	NSF Certified EPD
Pro Industrial™ Waterbased Catalyzed Epoxy	B73-360, B73-300, B73V300 Series	EPD10551	03/05/2021	5 Years	NSF International	NSF Certified EPD
Pro Industrial™ Waterborne Dryfall	B42W181, B42W82, B42W182, B42W83, B42T81, B42B81	EPD10549	03/05/2021	5 Years	NSF International	NSF Certified EPD
ProMar® 200 HP Zero VOC Interior Latex Series	B41, B20 & B31-1900 Series	EPD10555	03/29/2021	5 Years	NSF International	NSF Certified EPD
ProMar® 200 Zero VOC Interior Latex Flat	B30W12651, B30W02653, B30T02654, B30W12650, B30R02658, B30Y02657	EPD10477	11/10/2020	5 Years	NSF International	NSF Certified EPD
ProMar® 200 Zero VOC Interior Latex Low Sheen & Low Gloss Eg-Shel	B24W02650 & B41W02650 Series	EPD10477	11/10/2020	5 Years	NSF International	NSF Certified EPD
ProMar® 200 Zero VOC Interior Latex Eg-Shel	B20W12650, B20W12651, B20W02653, B20T02654, B20R02658, B20Y02657	EPD10477	11/10/2020	5 Years	NSF International	NSF Certified EPD
ProMar® 200 Zero VOC Interior Latex Semi-Gloss	B31W02650 Series	EPD10477	11/10/2020	5 Years	NSF International	NSF Certified EPD
ProMar® 200 Zero VOC Interior Latex Gloss	B21W12651	EPD10477	11/10/2020	5 Years	NSF International	NSF Certified EPD
ProMar® 200 Zero VOC Interior Latex Primer	B28W02600	EPD10477	11/10/2020	5 Years	NSF International	NSF Certified EPD
ProMar® 400 Zero VOC Interior Series	B30, B20, B24, B31 & B21-4650 Series	EPD10556	03/29/2021	5 Years	NSF International	NSF Certified EPD
ProMar® 400 Zero VOC Interior Primer	B28W04600	EPD10556	03/29/2021	5 Years	NSF International	NSF Certified EPD
ProMar® Interior Ceiling Paint	A27W05050	EPD10619	08/18/2021	5 Years	NSF International	NSF Certified EPD
PVA Interior Primer	B28W08020 B28W08030	EPD10624	09/07/2021	5 Years	NSF International	NSF Certified EPD
Solo® Interior Exterior Series	A73,A74,A75,A76 & A77	EPD10614	07/30/2021	5 Years	NSF International	NSF Certified EPD
SuperPaint® Exterior Flat, Low Lustre, Satin & Gloss	A80, A79, A89 & A84	EPD10625	09/07/2021	5 Years	NSF International	NSF Certified EPD
SuperPaint® Interior Flat, Velvet, Satin & Semi-Gloss	A86,A94,A87 & A88	EPD10667	11/02/2021	5 Years	NSF International	NSF Certified EPD
SuperPaint® with Air Purifying Technology[1]	A86, A87 & A88-60 Series	EPD10615	07/30/2021	5 Years	NSF International	NSF Certified EPD
Tuff Surface®	A44W01050, A44W01350	EPD10250	05/30/2019	5 Years	NSF International	NSF Certified EPD

Per USGBC LEED v4: Intent:
To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. To reward project teams for selecting products from manufacturers who have verified improved environmental life-cycle impacts.
Requirements:
NC, CS, SCHOOLS, RETAIL, DATA CENTERS, WAREHOUSES & DISTRIBUTION CENTERS, HOSPITALITY, HEALTHCARE
Achieve one or more of the options below, for a maximum of 2 points.
Option 1. Environmental Product Declaration (EPD) (1 point)
Use at least 20 different permanently installed products sourced from at least five different manufacturers that meet one of the disclosure criteria below.
•   **Environmental Product Declarations which conform to ISO 14025 and EN 15804 or ISO 21930 and have at least a cradle to gate scope.**
Product-specific Type III EPD -- Products with third-party certification (Type III), including external verification in which the manufacturer is explicitly recognized as the participant by the program operator are valued as one whole product for purposes of credit achievement calculation.
This EPD was independently verified by NSF International in accordance with ISO 21930 and ISO 14025, by NSF International ncss@nsf.org,
http://info.nsf.org/Certified/Sustain/listings.asp?ProdCat=EPD This life cycle assessment was independently verified in accordance with ISO 14044 and the reference PCR by NSF International ncss@nsf.org. Certificates can be found on: ncss@nsf.org, http://info.nsf.org/Certified/Sustain/listings.asp?ProdCat=EPD or www.paintdocs.com
P,S,U= Primer, Sealer, Undercoater   ^Category classification based on SCAQMD Rule 1113, 2011 and CARB 2007 SCM definitions.
†Refer to the current EDS for specific VOCs (calculated per 40 CFR 59.406). VOCs may vary by base and sheen.

Product Numbers link directly to their respective certificates for convenience.

LEED®v4 New Construction, Core and Shell, Schools, Healthcare, Hospitality Contributes toward satisfying MR CREDIT: BUILDING PRODUCT DISCLOSURE AND OPTIMIZATION – MATERIAL INGREDIENTS-PRODUCT LENS CERTIFICATION					updated 11/09/2021
PRODUCTS	**PRODUCT NUMBERS**	**LEED v4 Qualifications**	**Assessor**	**3rd party Certifier**	**Certification Period**
Emerald® Interior Flat, Matte & Satin	**K35, K36, K37 & K38W00300/400 Series**	**LEED BPDO Credit: Material Ingredients Option 1**	**MBDC Basis methodology v3.0***	**UL Product Lens Certified**	**6/2020-6/2022**
Loxon® Concrete & Masonry Primer	**LX02W0050**	**LEED BPDO Credit: Material Ingredients Option 1**	**MBDC Basis methodology v3.0***	**UL Product Lens Certified**	**6/2020-6/2022**
PrepRite® ProBlock® Latex	**B51W00620 & B51W00623**	**LEED BPDO Credit: Material Ingredients Option 1**	**MBDC Basis methodology v3.0***	**UL Product Lens Certified**	**6/2020-6/2022**
ProMar® 200 Zero VOC Interior Latex Flat	**B30-2650/12651 Series**	**LEED BPDO Credit: Material Ingredients Option 1**	**MBDC Basis methodology v3.0***	**UL Product Lens Certified**	**7/2020-7/2023**
ProMar® 200 Zero VOC Interior Latex Low Sheen	**B24-2650 Series**	**LEED BPDO Credit: Material Ingredients Option 1**	**MBDC Basis methodology v3.0***	**UL Product Lens Certified**	**7/2020-7/2023**
ProMar® 200 Zero VOC Interior Latex Low Gloss Eg-Shel	**B41-2650, Series**	**LEED BPDO Credit: Material Ingredients Option 1**	**MBDC Basis methodology v3.0***	**UL Product Lens Certified**	**7/2020-7/2023**
ProMar® 200 Zero VOC Interior Latex Eg-Shel	**B20-2650, B20-12651 Series**	**LEED BPDO Credit: Material Ingredients Option 1**	**MBDC Basis methodology v3.0***	**UL Product Lens Certified**	**7/2020-7/2023**
ProMar® 200 Zero VOC Interior Latex Semi-Gloss	**B31-2650 Series**	**LEED BPDO Credit: Material Ingredients Option 1**	**MBDC Basis methodology v3.0***	**UL Product Lens Certified**	**7/2020-7/2023**
ProMar® 200 Zero VOC Interior Latex Gloss	**B21-12651**	**LEED BPDO Credit: Material Ingredients Option 1**	**MBDC Basis methodology v3.0***	**UL Product Lens Certified**	**7/2020-7/2023**
ProMar® 200 Zero VOC Interior Latex Primer	**B28-Series**	**LEED BPDO Credit: Material Ingredients Option 1**	**MBDC Basis methodology v3.0***	**UL Product Lens Certified**	**7/2020-7/2023**

*Methodology based on Cradle to Cradle Certified™ Product Material Health Assessment Methodology v3.0

Per USGBC LEED v4:
Intent
To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. To reward project teams for selecting products for which the chemical ingredients in the product are inventoried using an accepted methodology and for selecting products verified to minimize the use and generation of harmful substances. To reward raw material manufacturers who produce products verified to have improved life-cycle impacts.

Requirements:
NC, CS, SCHOOLS, RETAIL NC, DATA CENTERS, WAREHOUSES & DISTRIBUTION CENTERS, HOSPITALITY NC, HEALTHCARE

Option 1. Material Ingredient Reporting (1 point)
Use at least 20 different permanently installed products from at least five different manufacturers that use any of the following programs to demonstrate the chemical inventory of the product to at least 0.1% (1000 ppm).
• **Product Lens Certification.**

For more information please visit: *http://www.usgbc.org/node/2616399?return=/credits/new-construction/v4/material-%26amp%3B-resources*

UL's Product Lens Certification is an ingredient disclosure tool that provides hazard information in context, fulfilling the new demands for product transparency.

The Product Lens certification is a result of collaboration between UL Environment, MBDC and Cradle to Cradle Product Innovation Institute, with UL basing the program's chemical assessment on the Materials Health Assessment Methodology from the Cradle to Cradle Certified™ Products program. The tool was developed in partnership with MBDC to meet and exceed the chemical disclosure requirements outlined by the design community and LEED®. With the program harmonized at the assessment level, manufacturers are able to progress further into the Cradle to Cradle certification programs as they desire.

Product Lens has been designed to meet credit requirements in LEED v4 for chemical disclosure (MR Credit: Building Product Disclosure and Optimization – Material Ingredients). All information is verified by UL, helping manufacturers address the skepticism inherent in self-disclosure, and signaling trust and legitimacy to specifiers and purchasers. Go to ul.com/spg to view the full, detailed materials ingredient list

Certificates can be found on: http://productguide.ulenvironment.com/SearchResults.aspx?CertificationID=50

P,S,U= Primer, Sealer, Undercoater

^Category classification based on SCAQMD Rule 1113, 2011 and CARB 2007 SCM definitions.
†Refer to the current EDS for specific VOCs (calculated per 40 CFR 59.406). VOCs may vary by base and sheen.

UL CERTIFIED
PRODUCT LENS MATERIALS TRANSPARENCY AND DISCLOSURE.
VIEW SPECIFIC INGREDIENTS AND EVALUATIONS:
UL.COM/PL

Product Numbers link directly to their respective certificates for convenience.

LEED® v4 & v4.1 New Construction, Core and Shell, Schools, Healthcare, Hospitality Contributes toward satisfying PILOT CREDIT: INTEGRATED ANALYSIS OF BUILDING MATERIALS								update11/09/2021
PRODUCTS	PRODUCT NUMBERS	GREENGUARD GOLD	TVOC	CARB/ SCAQMD Category^	VOC†	Declaration Number	Product-Specific Type III EPD	LEED BPDO Credit: Material Ingredients Option 1
Emerald® Interior Flat	K35W00451	Certified	0.5 mg/m3 or less	Flat	<50 g/L	EPD10553	NSF Certified EPD	UL Product Lens Certified
Emerald® Interior Matte	K36W00451	Certified	0.5 mg/m3 or less	Flat	<50 g/L	EPD10553	NSF Certified EPD	UL Product Lens Certified
Emerald® Interior Satin	K37W00451	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L	EPD10553	NSF Certified EPD	UL Product Lens Certified
Loxon® Concrete & Masonry Primer	LX02W0050	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L	EPD10544	NSF Certified EPD	UL Product Lens Certified
PrepRite® ProBlock® Latex	B51W00620 & B51W00623	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L	EPD10547	NSF Certified EPD	UL Product Lens Certified
ProMar® 200 Zero VOC Interior Latex Flat	B30W12651, B30W02653	Certified	0.5 mg/m3 or less	Flat	<50 g/L	EPD10477	NSF Certified EPD	UL Product Lens Certified
ProMar® 200 Zero VOC Interior Latex Low Sheen	B24W02651	Certified	0.5 mg/m3 or less	Flat	<50 g/L	EPD10477	NSF Certified EPD	UL Product Lens Certified
ProMar® 200 Zero VOC Interior Latex Eg-Shel	B20W12651, B20W02653, B20T02654	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L	EPD10477	NSF Certified EPD	UL Product Lens Certified
ProMar® 200 Zero VOC Interior Latex Semi-Gloss	B31W02651	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L	EPD10477	NSF Certified EPD	UL Product Lens Certified
ProMar® 200 Zero VOC Interior Latex Primer	B28W02600	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L	EPD10477	NSF Certified EPD	UL Product Lens Certified

Per USGBC LEED v4:
Intent:
To encourage the use of products and materials for which life cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. To inform decision-making by project teams by rewarding building material manufacturers that share life cycle health, safety and environmental information about their products.

Requirements:
Use at least three different permanently installed products that have a documented qualitative analysis of the potential health, safety and environmental impacts of the product in five stages of the product's life cycle (product assembly/manufacturing, building product installation, product use product maintenance, end of product life/reuse).
Analyze and consider:
• Intended and reasonably anticipated uses of the product,
• Potential hazardous exposures,
• Product service life,
• Waste generation and/or materials reuse,
• Contributions to health, safety and the environment, including improvements to occupant safety, air quality, water quality, materials reuse, energy efficiency, and carbon mitigation.

Credit Specific
• Where verified quantitative information is available (e.g. EPDs, LCAs, ecolabels, standards), please include that information.
• If quantitative information is not available, qualitatively describe potential impacts.
• Note where information was not available and document the sources checked. If an impact isn't present at a specific life cycle phase, indicate it as non-applicable and briefly explain why that is the case.

Integrative Analysis LEED Pilot Credit documentation can be downloaded by product number and listed as IABM at: www.paintdocs.com

P,S,U= Primer, Sealer, Undercoater

^Category classification based on SCAQMD Rule 1113, 2011 and CARB 2007 SCM definitions.
†Refer to the current EDS for specific VOCs (calculated per 40 CFR 59.406). VOCs may vary by base and sheen.

This information is furnished only as a guide and is not all-inclusive of available Sherwin-Williams products.

LEED®v4 Healthcare & Schools California Air Resources Board (CARB) 2007 Suggested Control Measures (SCM) for Architectural Coatings Contributes toward satisfying Compliant Exterior Coatings (update 07/25/2019)		updated 11/09/2021
PRODUCTS	**CARB 2007 SCM CATEGORY^**	**PRODUCT VOCs†**
A-100® Exterior Flat Latex, A6 Series	FLAT	<50 g/L
DuraCraft™ Exterior Flat, C01 Series	FLAT	<50 g/L
Duration® Exterior Acrylic Flat, K32 Series	FLAT	<50 g/L
Emerald® Exterior Flat, K47 Series	FLAT	<50 g/L
Emerald® Rain Refresh™ K47-1900 Series	FLAT	<50 g/L
Latitude™ Exterior Flat K60-600 Series	FLAT	<50 g/L
SuperPaint® Exterior Flat, A80 Series	FLAT	<50 g/L
Solo® Interior-Exterior Flat, A74 Series	FLAT	<50 g/L
Porch & Floor Enamel, A32 Series	FLOOR	<50 g/L
Pro Industrial™ Acrylic, Gloss, Semi-Gloss & Eg-Shel, B66-600/1660 Series	INDUSTRIAL MAINTENANCE	<50 g/L
Pro Industrial™ DTM Primer/Finish, B66-11	INDUSTRIAL MAINTENANCE	<50 g/L
Pro Industrial™ Heavy Duty Block Filler, B42W00150	INDUSTRIAL MAINTENANCE	<50 g/L
Pro Industrial™ Pre-Catalyzed Waterbased Urethane , B65W01120 Series	INDUSTRIAL MAINTENANCE	<100 g/L
Pro Industrial™ Pro-Cryl® Universal Primer Off White, Medium Grey & Red Oxide B66-1300 Series	INDUSTRIAL MAINTENANCE	<50 g/L
Pro Industrial™ Water Based Acrolon 100 B65W721 Series	INDUSTRIAL MAINTENANCE	<100 g/L
A-100® Exterior Latex Satin & Gloss, A82 & A8 Series	NON-FLAT	<50 g/L
DuraCraft™ Exterior Satin & Gloss, C07 & C14 Series	NON-FLAT	<50 g/L
Duration Exterior Low Lustre, Satin & Gloss K30, K33 & K34 Series	NON-FLAT	<50 g/L
Emerald Exterior Satin & Gloss K48 & K49 Series	NON-FLAT	<50 g/L
Emerald® Rain Refresh™ Satin & Gloss K48 & K49-1900 Series	NON-FLAT	<50 g/L
Latitude™ Exterior Satin & Gloss K62 & K64-600 Series	NON-FLAT	<50 g/L
Solo® Interior/Exterior Eg-Shel, Satin, Semi-Gloss & Gloss, A75, A73, A76 & A77- Series	NON-FLAT	<50 g/L
SuperPaint® Exterior Satin & Gloss, A89 & A84 Series	NON-FLAT	<50 g/L
ConFlex™ Block Filler, CF01W0050	P,S,U	<100 g/L
Exterior Latex Primer, B42-Series	P,S,U	<100 g/L
Loxon® Concrete & Masonry Primer, LX02 Series	P,S,U	<50 g/L
Loxon® Acrylic Conditioner LX03 Series	P,S,U	<50 g/L
Loxon® Acrylic Block Surfacer, LX01 Series	P,S,U	<100 g/L
Multi-Purpose Latex Primer, B51-450 Series	P,S,U	<50 g/L
PrepRite® ProBlock® Latex Primer Sealer, B51-620 Series	P,S,U	<50 g/L
Loxon® Vertical Concrete Stain, LX31 Series	STAIN	<50 g/L
WoodScapes® Solid Color Stain, A15 Series	STAIN	<100 g/L
Pro-Park™ Waterborne Traffic Marking B97 Series	TRAFFIC COATINGS	<50 g/L
ConFlex™ XL Elastomeric High Build Coating, CF11 Series	WATERPROOFING Concrete/Masonry Sealers	<50 g/L
ConFlex™ 7% Siloxane Water Repellant, CF31T7	WATERPROOFING Concrete/Masonry Sealers	<50 g/L
Loxon® XP Waterproofing System, LX11 & LX21 Series	WATERPROOFING Concrete/Masonry Sealers	<50 g/L
ConFlex™ Flexible Concrete Waterproofer, CF14 &CF15 Series	WATERPROOFING Concrete/Masonry Sealers	<50 g/L
ConFlex™ Sherlastic® Elastomeric Coating, CF16 Series	WATERPROOFING Concrete/Masonry Sealers	<50 g/L

Healthcare, Schools only

Exterior applied products. Adhesives, sealants, coatings, roofing, and waterproofing materials applied on site must meet the VOC limits of California Air Resources Board (CARB) 2007 Suggested Control Measure (SCM) for Architectural Coatings, and South Coast Air Quality Management District (SCAQMD), Rule 1168, effective July 1, 2005. Small containers of adhesives and sealants subject to state or federal consumer product VOC regulations are exempt.

Submit a list of all exterior applied materials and products used on site. Identify the regulatory VOC content, allowable VOC limit, and the total volume used on site for each product to determine whether 90% by volume has been achieved. The regulatory VOC content must be expressed as g/L less water and exempt solvents except for low-solids coatings, which show the content in g/L less exempt solvents.

The coatings listed on this page are formulated without the use of cadmium, or lead.
^Category classification based on CARB 2007 SCM definitions. †Refer to the current EDS for specific VOCs (calculated per 40 CFR 59.406). VOCs may vary by base and sheen.

Product Numbers link directly to their respective certificates for convenience.

LEED®v4 for Interior Design and Construction CI, Retail & Hospitality EQ CREDIT: LOW-EMITTING PRODUCTS 07/25/2019					updated 11/09/2021
PRODUCTS	**PRODUCT NUMBERS**	**GREENGUARD GOLD or CDPH v1.2**	**TVOC**	**CARB/SCAQMD Category^**	**VOC†**
ColorCast Ecotoner™(CCE) Architectural Colorant	CCE-AC series	Certified	0.5 mg/m3 or less	Colorant Architectural	<50 g/L
Pro Industrial™ Waterborne Acrylic Dryfall Flat White, Black & Ultradeep	B42W01181 B42W00181 B42B00081 B42T00081	Certified	0.5 mg/m3 or less	Dry Fog	<50 g/L
Pro Industrial™ Waterborne Acrylic Dryfall Eg-Shel	B42W00082	Certified	0.5 mg/m3 or less	Dry Fog	<50 g/L
Pro Industrial™ Waterborne Acrylic Dryfall Eg-Shel	B42W00182	Certified	between 0.5 & 5.0 mg/m3	Dry Fog	<50 g/L
Pro Industrial™ Waterborne Acrylic Dryfall Semi-Gloss	B42W00083	Certified	between 0.5 & 5.0 mg/m3	Dry Fog	<50 g/L
Duration Home® Interior Flat & Matte	A95 & A96	Certified	0.5 mg/m3 or less	Flat	<50 g/L
EcoSelect® Zero VOC Interior Latex Flat	A21W01851 & 853 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
Emerald® Designer Edition™ Interior Latex Flat	K25 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
Emerald® Interior Latex Flat & Matte	K35 & K36- Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
Eminence® Interior Latex Flat Ceiling Paint	A27	Certified	0.5 mg/m3 or less	Flat	<50 g/L
Painters Edge® Interior Flat	PE45 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
ProMar® 200 Zero VOC Interior Latex Flat, Low Gloss & Low Sheen	B30 B41 & B24W2650 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
ProMar® 400 Zero VOC Interior Latex Flat & Low Sheen	B30 & B24-4650 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
ProMar® Ceiling Paint	A27W5050	Certified	0.5 mg/m3 or less	Flat	<50 g/L
Solo® Interior/Exterior Flat	A74 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
SuperPaint® with Air Purifying Technology[1] Flat	A86W00061	Certified	0.5 mg/m3 or less	Flat	<50 g/L
Tuff Surface™ Premium Texture Coating Flat	A44W01050	Certified	0.5 mg/m3 or less	Flat	<50 g/L
Loxon® Water Blocking Primer/Finish	LX12 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
All Surface Enamel Satin & Gloss A41-1350 &A41-1250 Series-US Only	A41-1350 & A41-1250 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
Duration Home® Interior Satin & Semi-Gloss	A97 & A98	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
EcoSelect Zero VOC Interior Latex Eg-Shel & Semi-Gloss	A22 & A20-850 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
Emerald® Designer Edition™ Interior Latex Eg-Shel & Satin	K26 & K27 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
Emerald Interior Latex Satin & Semi-Gloss	K37 & K38 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
ProMar® 200 HP Zero VOC Interior Acrylic Series	B20-1900 Series B41-1900 Series B31-1900 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
ProMar® 200 Zero VOC Interior Latex Eg-Shel, Semi-Gloss	B20-2650, B20-12651 & B31-2650 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
ProMar® 200 Zero VOC Interior Latex Low Gloss Eg-Shel	B41-2600 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
ProMar® 400 Zero VOC Interior Latex Eg-Shel, Semi-Gloss	B20 & B31-4650 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
ProMar® 200 & 400 Zero VOC Interior Latex Gloss	B21-12650 Series B21-4650 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
Solo® Interior/Exterior Eg-Shel, Satin, Semi-Gloss & Gloss	A75, A73 A76 & A77-51 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
SuperPaint with Air Purifying Technology[1] Satin & Semi-Gloss	A87, A88W61 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
Armorseal® 8100 Water Based Epoxy Floor Coating	B70-8100/8160 Series	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial™ Acrylic Coating, Eg-Shel, Semi-Gloss, Gloss	B66-660 B66-1660, 650 & 600 Series	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial™ DTM Primer/Finish	B66W00011	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial™ Pre-Catalyzed Epoxy Eg-Shel & Semi-Gloss	K45 & K46-1150 Series	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial™ Pre-Catalyzed Waterbased Urethane	B65W01121	Certified	between 0.5 & 5.0 mg/m3	Industrial Maintenance	<100 g/L
Pro Industrial Pro-Cryl® Primer Off White, Medium Grey & Red Oxide	B66-1300 Series	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial™ Water Based Acrolon 100	B65W00721/B65V00720	Certified	0.5 mg/m3 or less	Industrial Maintenance	<100 g/L
Pro Industrial™ Water Based Catalyzed Epoxy, Gloss & Eg-Shel	B73-300 Series	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial™ Heavy Duty Block Filler	B42W00150	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
ConFlex™ Block Filler	CF01W0050	Certified	between 0.5 & 5.0 mg/m3	P,S,U	<50 g/L
Extreme Bond™ Bonding Primer	B51-1100 Series	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Loxon® Acrylic Conditioner Clear & Guide Coat White	LX03 Series	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Loxon® Concrete & Masonry Primer	LX02 Series	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Multi-Purpose Latex Primer	B51-450 Series	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
PrepRite® ProBlock® Int/Ext Latex Primer/Sealer	B51-620 Series	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
ProMar® 200 & 400 Zero VOC Interior Latex Primer	B28W02600 B28W04600	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
PVA Drywall Primer	B28W08020 B28W08030	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Quick Dry Interior/Exterior Stain Blocking Primer	B51W08670	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Zinc Clad III HS 100 (Part A, Part B, and Zinc Clad Zinc Dust Part F)	B69A110/B69V110/B69D11	Certified	0.5 mg/m3 or less	Zinc Rich IM Primer	<100 g/L

Option 1. Product Category Calculations: Interior paints and coatings applied on site, **At least 90%, by volume, for emissions; 100% for VOC content** All paints and coatings wet-applied on site must meet the applicable VOC limits of the California Air Resources Board (CARB) 2007, Suggested Control Measure (SCM) for Architectural Coatings, or the South Coast Air Quality Management District (SCAQMD) Rule 1113, effective June 3, 2011. **The products listed above have been independently certified by UL Environment in accordance with "UL 2818 –GREENGUARD Certification Program for Chemical Emissions for Building Materials, Finishes and Furnishings, " and/or Standard referenced: CDPH/EHLB/Standard Method V1.2 (January 2017) For more information, see http://www.cdph.ca.gov.** Certificates can be found on: spot.ul.co **P,S,U= Primer, Sealer, Undercoater** ^Category classification based on SCAQMD Rule 1113, 2011 and CARB 2007 SCM definitions.
†Refer to the current EDS for specific VOCs (calculated per 40 CFR 59.406). VOCs may vary by base and sheen.

Product Numbers link directly to their respective certificates for convenience.

LEED®v4.1 New Construction, Core and Shell, Schools, Healthcare, Hospitality Contributes toward satisfying EQ CREDIT: INDOOR ENVIRONMENTAL QUALITY LOW-EMITTING MATERIALS -EMISSIONS TESTING 10/2021					updated 11/09/2021
PRODUCTS	**PRODUCT NUMBERS**	**GREENGUARD GOLD or CDPH v1.2**	**TVOC**	**CARB/SCAQMD Category^**	**VOC†**
ColorCast Ecotoner™(CCE) Architectural Colorant	CCE-AC series	Certified	0.5 mg/m3 or less	Colorant Architectural	<50 g/L
Pro Industrial™ Waterborne Acrylic Dryfall Flat White, Black & Ultradeep	B42W01181 B42W00181 B42B00081 B42T00081	Certified	0.5 mg/m3 or less	Dry Fog	<50 g/L
Pro Industrial™ Waterborne Acrylic Dryfall Eg-Shel	B42W00082	Certified	0.5 mg/m3 or less	Dry Fog	<50 g/L
Pro Industrial™ Waterborne Acrylic Dryfall Eg-Shel	B42W00182	Certified	between 0.5 & 5.0 mg/m3	Dry Fog	<50 g/L
Pro Industrial™ Waterborne Acrylic Dryfall Semi-Gloss	B42W00083	Certified	between 0.5 & 5.0 mg/m3	Dry Fog	<50 g/L
Duration Home® Interior Flat & Matte	A95 & A96	Certified	0.5 mg/m3 or less	Flat	<50 g/L
EcoSelect® Zero VOC Interior Latex Flat	A21W01851 & 853 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
Emerald® Designer Edition™Interior Latex Flat	K25 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
Emerald® Interior Latex Flat & Matte	K35 & K36- Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
Eminence® Interior Latex Flat Ceiling Paint	A27	Certified	0.5 mg/m3 or less	Flat	<50 g/L
Painters Edge® Interior Flat	PE45 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
ProMar® 200 Zero VOC Interior Latex Flat, Low Gloss & Low Sheen	B30 B41 & B24W2650 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
ProMar® 400 Zero VOC Interior Latex Flat & Low Sheen	B30 & B24-4650 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
ProMar® Ceiling Paint	A27W5050	Certified	0.5 mg/m3 or less	Flat	<50 g/L
Solo® Interior/Exterior Flat	A74 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
SuperPaint with Air Purifying Technology[1] Flat	A86W00061	Certified	0.5 mg/m3 or less	Flat	<50 g/L
Tuff Surface™ Premium Texture Coating Flat	A44W01050	Certified	0.5 mg/m3 or less	Flat	<50 g/L
Loxon Water Blocking Primer/Finish	LX12 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L
All Surface Enamel Satin & Gloss A41-1350 &A41-1250 Series-US Only	A41-1350 & A41-1250 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
Duration Home® Interior Satin & Semi-Gloss	A97 & A98	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
EcoSelect Zero VOC Interior Latex Eg-Shel & Semi-Gloss	A22 & A20-850 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
Emerald® Designer Edition™Interior Latex Eg-Shel & Satin	K26 & K27 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
Emerald Interior Latex Satin & Semi-Gloss	K37 & K38 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
ProMar® 200 HP Zero VOC Interior Acrylic Series	B20-1900 Series B41-1900 Series B31-1900	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
ProMar® 200 Zero VOC Interior Latex Eg-Shel, Semi-Gloss	B20-2650, B20-12651 & B31-2650 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
ProMar® 200 Zero VOC Interior Latex Low Gloss Eg-Shel	B41-2600 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
ProMar® 400 Zero VOC Interior Latex Eg-Shel, Semi-Gloss	B20 & B31-4650 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
ProMar® 200 & 400 Zero VOC Interior Latex Gloss	B21-12650 Series B21-4650 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
Solo® Interior/Exterior Eg-Shel, Satin, Semi-Gloss & Gloss	A75, A73, A76 & A77-51 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
SuperPaint with Air Purifying Technology[1] Satin & Semi-Gloss	A87, A88W61 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
Armorseal® 8100 Water Based Epoxy Floor Coating	B70-8100/8160 Series	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial™ Acrylic Coating, Eg-Shel, Semi-Gloss, Gloss	B66-660 B66-1660 650 & 600 Series	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial™ DTM Primer/Finish	B66W00011	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial™ Pre-Catalyzed Epoxy Eg-Shel & Semi-Gloss	K45 & K46-1150 Series	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial™ Pre-Catalyzed Waterbased Urethane	B65W01121	Certified	between 0.5 & 5.0 mg/m3	Industrial Maintenance	<100 g/L
Pro Industrial Pro-Cryl® Primer Off White, Medium Grey & Red Oxide	B66-1300 Series	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial™ Water Based Acrolon 100	B65W00721/B65V00720	Certified	0.5 mg/m3 or less	Industrial Maintenance	<100 g/L
Pro Industrial™ Water Based Catalyzed Epoxy, Gloss & Eg-Shel	B73-300 Series	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial™ Heavy Duty Block Filler	B42W00150	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
ConFlex™ Block Filler	CF01W0050	Certified	between 0.5 & 5.0 mg/m3	P,S,U	<50 g/L
Extreme Bond™ Bonding Primer	B51-1100 Series	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Loxon®Acrylic Conditioner Clear & Guide Coat White	LX03 Series	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Loxon Concrete & Masonry Primer	LX02 Series	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Multi-Purpose Latex Primer	B51-450 Series	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
PrepRite® ProBlock® Int/Ext Latex Primer/Sealer	B51-620 Series	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
ProMar® 200 & 400 Zero VOC Interior Latex Primer	B28W02600 B28W04600	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
PVA Drywall Primer	B28W08020 B28W08030	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Quick Dry Interior/Exterior Stain Blocking Primer	B51W08670	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Zinc Clad III HS 100 (Part A, Part B, and Zinc Clad Zinc Dust Part F)	B69A110/B69V110/B69D11	Certified	0.5 mg/m3 or less	Zinc Rich IM Primer	<100 g/L

†Refer to the current EDS for specific VOCs. VOCs may vary by base and sheen.

PER USGBC LEED v4.1:

Intent
To reduce concentrations of chemical contaminants that can damage air quality and the environment, and to protect the health, productivity, and comfort of installers and building occupants.

Requirements
NC, CS, SCHOOLS, RETAIL, DATA CENTERS, WAREHOUSES & DISTRIBUTION CENTERS, HOSPITALITY, HEALTHCARE
Use materials on the building interior (everything within the waterproofing membrane) that meet the low emitting criteria below. Points are awarded according to Table 1:

Table 1. Points for low-emitting materials	
2 product categories	**1 point**
3 product categories	**2 points**
4 product categories	**3 points**
5 product categories	**3 points + exemplary performance**
Reach 90% threshold in at least three product categories	**Exemplary performance or 1 additional point if only 2 points achieved above.**

Product Category Calculations
Thresholds of compliance with emissions and content standards

Category	Threshold	Emissions and content requirements
Interior paints and coatings applied on site	**At least 75% of all paints and coatings, by volume or surface area meet the VOC emissions evaluation.** **AND** **100% meet for VOC content evaluation. To meet the 100% requirement for VOC content evaluation, a VOC budget may be used.** **The paints and coatings product category includes all interior paints and coatings wet applied on site.**	**• VOC Emissions Evaluation:** **Product has been tested according to California Department of Public Health (CDPH) Standard Method v1.2–2017** **• VOC content evaluation:** **Product meets the VOC content limits outlined in one of the applicable standards below.** -California Air Resource Board (CARB) 2007 Suggested Control Measure (SCM) for Architectural Coatings -South Coast Air Quality Management District (SCAQMD) Rule 1113, effective February 5, 2016

VOC Emissions Evaluation:
Product has been tested according to California Department of Public Health (CDPH) Standard Method v1.2–2017 and complies with the VOC limits in Table 4-1 of the method. Additionally, the range of total VOCs after 14 days (336 hours) was measured as specified in the CDPH Standard Method v1.2 and is reported (TVOC ranges: 0.5 mg/m3 or less, between 0.5 and 5 mg/m3, or 5 mg/m3 or more). Laboratories that conduct the tests must be accredited under ISO/IEC 17025 for the test methods they use. Products used in any setting other than schools and classrooms must be modeled to private office scenario. For schools projects, modeling to office and/or schools scenario is permitted.
The statement of product compliance must include the exposure scenario(s) used, the range of total VOCs, and must follow the product declaration guidelines in CDPH Standard Method v1.2-2017, Section 8. Manufacturer statements must also include a summary report from the laboratory that is less than three years old and the amount of wet-applied product applied in mass per surface area (if applicable). Organizations that certify manufacturers' claims must be accredited under ISO/IEC 17065.

VOC content evaluation:
Product meets the VOC content limits outlined in one of the applicable standards and for projects in North America, methylene chloride and perchloroethylene may not be intentionally added. Statement of product compliance must be made by the manufacturer or a USGBC-approved third-party. Any testing must follow the test method specified in the applicable regulation. If the applicable regulation requires subtraction of exempt compounds, any content of intentionally added exempt compounds larger than 1% weight by mass (total exempt compounds) must be disclosed.
• Paints and coatings:
    -California Air Resource Board (CARB) 2007 Suggested Control Measure (SCM) for Architectural Coatings
    -South Coast Air Quality Management District (SCAQMD) Rule 1113, effective February 5, 2016

Definitions:
µg/m³= Microgram per cubic meter
mg/m³= Milligram per cubic meter
1 µg/m³ = .001 Milligrams

interior wall and ceiling finish all the layers comprising the exposed interior surfaces of buildings, including fixed walls, fixed partitions, columns, exposed ceilings, and interior wainscoting, paneling, interior trim or other finish applied mechanically or for decoration, acoustical correction, surface fire resistance, or similar purposes.

building interior everything inside a structure's weatherproofing membrane

building exterior a structure's primary and secondary weatherproofing system, including waterproofing membranes and air- and water-resistant barrier materials, and all building elements outside that system
Category classification based on SCAQMD Rule 1113, February 5, 2016 and CARB 2007 SCM definitions.

Product Numbers link directly to their respective certificates for convenience.
Certificates can also be found on: greenguard.org or Ul.com, spot.ul.com or on www.paintdocs.com
More on third party certifiers can be found here: http://www.usgbc.org/resources/low-emitting-materials-third-party-certification-table

The coatings listed on the opposite page are formulated without the use of methylene chloride, perchloroethylene, Cadmium or lead. **The products listed have been independently certified by UL Environment in accordance with "UL 2818 –GREENGUARD Certification Program for Chemical Emissions for Building Materials, Finishes and Furnishings, " and/or Standard referenced: CDPH/EHLB/Standard Method V1.2 (January 2017) "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers" (aka CA Section 01350). For more information, see http://www.cdph.ca.gov**
P,S,U= Primer, Sealer, Undercoater ^Category classification based on SCAQMD Rule 1113, Feb 5th, 2016 and CARB 2007 SCM definitions.
†Refer to the current EDS for specific VOCs (calculated per 40 CFR 59.406). VOCs may vary by base and sheen.

Product Numbers link directly to their respective certificates for convenience.

LEED®v4.1 NC, CS, Schools, Retail, Healthcare, Hospitality Contributes toward satisfying MR CREDIT: ENVIRONMENTAL PRODUCT DECLARATIONS OPTION 1: ENVIRONMENTAL PRODUCT DECLARATIONS (EPD) 10/2021 Product-specific Type III EPD -- Products with third-party validation							updated 11/09/2021

PRODUCTS	PRODUCT NUMBERS	Declaration Number	Issue Date	Period of Validity	Program Operator	Product-Specific Type III EPD certified	Value
A-100® Exterior Flat, Low Sheen, Satin & Gloss	A06,A82,A12 & A08	EPD10621	09/07/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
ArmorSeal 8100 Waterbased Floor Epoxy	B70-8100/8600 Series	EPD10272	10/11/2019	5 Years	NSF International	NSF Certified EPD	1.5 Product
ConFlex® Block Filler	CF01W0050	EPD10247	05/30/2019	5 Years	NSF International	NSF Certified EPD	1.5 Product
Duartion® Exterior, Flat, Low Lustre, Satin & Gloss	K30,K32,K33 & K34	EPD10617	08/18/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
DuraCraft® Exterior Flat, Satin & Semi-Gloss	C01, C07 & C14	EPD10622	09/07/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
Emerald® Interior Flat, Matte, Satin & Semi-Gloss	K35,K36,K37 & K38	EPD10553	03/29/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
Emerald® Urethane Trim Enamel Series	K37,K38 & K39	EPD10665	11/02/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
Extreme Bond™ Bonding Primer	B51W01100	EPD10618	08/18/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
Loxon® Acrylic Block Surfacer	LX01W0200	EPD10666	11/02/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
Loxon® Concrete and Masonry Primer	LX02W0050	EPD10544	03/05/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
Loxon Conditioners	LX03W0100, LX03V0100	EPD10623	09/07/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
Multi-Purpose Latex Primer	B51W00450, B51W00453	EPD10248	05/30/2019	5 Years	NSF International	NSF Certified EPD	1.5 Product
PrepRite® Block Filler	B25W25	EPD10545	03/05/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
PrepRite® ProBlock®	B51W00620 B51W00623	EPD10547	03/05/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
Pro Industrial™ Acrylic	B66-670, B66-1661, B66-600, B66-650, B66-600 Series	EPD10548	03/05/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
Pro Industrial™ DTM Acrylic	B66-1250, B66-1150, B66-1050 Series	EPD10550	03/05/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
Pro Industrial™ DTM Primer/Finish	B66W00011	EPD10135	05/30/2018	5 Years	NSF International	NSF Certified EPD	1.5 Product
Pro Industrial™ Heavy Duty Block Filler	B42W00150	EPD10133	05/30/2018	5 Years	NSF International	NSF Certified EPD	1.5 Product
Pro Industrial™ Pre-Catalyzed Waterbased Epoxy	K45W01151, K45W01153 & K45T01154	EPD10249	05/30/2019	5 Years	NSF International	NSF Certified EPD	1.5 Product
Pro Industrial™ Pre-Catalyzed Waterbased Epoxy	K46W01151, K46W01153 & K46T01154	EPD10249	05/30/2019	5 Years	NSF International	NSF Certified EPD	1.5 Product
Pro Industrial™ Pro-Cryl Primer	B66W01310,B66A01320 & B66N01310	EPD10554	03/29/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
Pro Industrial™ Waterbased Catalyzed Epoxy	B73-360, B73-300,B73V300 Series	EPD10551	03/05/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
Pro Industrial™ Waterborne Dryfall	B42W181, B42W82,B42W182, B42W83, B42T81, B42B81	EPD10549	03/05/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
ProMar 200 HP Zero VOC Interior Latex Series	B41, B20 & B31-1900 Series	EPD10555	03/29/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
ProMar® 200 Zero VOC Interior Latex Flat	B30W12651, B30W02653, B30T02654, B30W12650, B30R02658, B30Y02657	EPD10477	11/10/2020	5 Years	NSF International	NSF Certified EPD	1.5 Product
ProMar® 200 Zero VOC Interior Latex Low Sheen & Low Gloss Eg-Shel	B24W02650 & B41W02650 Series	EPD10477	11/10/2020	5 Years	NSF International	NSF Certified EPD	1.5 Product
ProMar® 200 Zero VOC Interior Latex Eg-Shel	B20W12650, B20W12651, B20W02653, B20T02654, B20R02658, B20Y02657	EPD10477	11/10/2020	5 Years	NSF International	NSF Certified EPD	1.5 Product
ProMar® 200 Zero VOC Interior Latex Semi-Gloss	B31W02650 Series	EPD10477	11/10/2020	5 Years	NSF International	NSF Certified EPD	1.5 Product
ProMar® 200 Zero VOC Interior Latex Gloss	B21W12651	EPD10477	11/10/2020	5 Years	NSF International	NSF Certified EPD	1.5 Product
ProMar® 200 Zero VOC Interior Latex Primer	B28W02600	EPD10477	11/10/2020	5 Years	NSF International	NSF Certified EPD	1.5 Product
ProMar® 400 Zero VOC Interior Series	B30,B20,B24, B31 & B21-4650 Series	EPD10556	03/29/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
ProMar® 400 Zero VOC Interior Primer	B28W04600	EPD10556	03/29/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
ProMar® Interior Ceiling Paint	A27W05050	EPD10619	08/18/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
PVA Interior Primer	B28W08020 B28W08030	EPD10624	09/07/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
Solo® Interior Exterior Series	A73,A74,A75,A76 & A77	EPD10614	07/30/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
SuperPaint® Exterior Flat, Low Lustre, Satin & Gloss	A80, A79, A89 & A84	EPD10625	09/07/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
SuperPaint Interior Flat, Velvet,Satin & Semi-Gloss	A86,A94,A87 & A88	EPD10667	11/02/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
SuperPaint® with Air Purifying Technology[1]	A86, A87 & A88-60 Series	EPD10615	07/30/2021	5 Years	NSF International	NSF Certified EPD	1.5 Product
Tuff Surface®	A44W01050,A44W01350	EPD10250	05/30/2019	5 Years	NSF International	NSF Certified EPD	1.5 Product

Per USGBC LEED v4.1:
Requirements:
Option 1. Environmental Product Declaration (EPD) (1 point)
Use at least 20 different permanently installed products sourced from at least five different manufacturers that meet one of the disclosure criteria below. (10 different permanently installed products from three different manufacturers for CS and Warehouses & Distribution Centers)
Environmental Product Declarations which conform to ISO 14025 and EN 15804 or ISO 21930 and have at least a cradle to gate scope.
• Product-specific Type III EPD -- Products with third-party certification (Type III), including external verification and external critical review in which the manufacturer is explicitly recognized as the participant by the program operator are valued as 1.5 products for the purposes of credit achievement calculation.
The above EPDs were independently verified by NSF International in accordance with ISO 21930 and ISO 14025, by NSF International ncss@nsf.org,

Certificates can be found on: http://info.nsf.org/Certified/Sustain/listings.asp?ProdCat=EPD or www.paintdocs.com This life cycle assessment was independently verified in accordance with ISO 14044 and the reference PCR by NSF International ncss@nsf.org

LEED®v4.1 NC, CS, Schools, Retail, Healthcare, Hospitality Contributes toward satisfying MR CREDIT: ENVIRONMENTAL PRODUCT DECLARATIONS OPTION 2: Embodied Carbon/LCA Optimization Action Plan 10/2021					updated 11/09/2021
PRODUCTS	**PRODUCT NUMBERS**	**Declaration Number**	**Period of Validity**	**Program Operator**	**Value**
ConFlex™ Block Filler	CF01W0050	EPDAP-105	06/30/2019-06/30/2022	NSF International	.5 Product
Loxon® Concrete and Masonry Primer	LX02W0050	EPDAP-104	06/30/2019-06/30/2022	NSF International	.5 Product
Multi-Purpose Latex Primer	B51W00450	EPDAP-107	06/30/2019-06/30/2022	NSF International	.5 Product
PrepRite® ProBlock®	B51W00620	EPDAP-108	06/30/2019-06/30/2022	NSF International	.5 Product
Pro Industrial™ Pre-Catalyzed Waterbased Epoxy	K45-Series	EPDAP-110	06/30/2019-06/30/2022	NSF International	.5 Product
ProMar 200 HP Zero VOC Interior Latex Eg-Shel, Low Gloss Eg-Shel & S/G	B41W01951, B20W01951 & B31W01951	EPDAP-102	06/30/2019-06/30/2022	NSF International	.5 Product
ProMar® 200 Zero VOC Interior Latex Flat	B30W02653, B30W12651	EPDAP-101	06/30/2019-06/30/2022	NSF International	.5 Product
ProMar® 200 Zero VOC Interior Latex Low Sheen & Low Gloss Eg-Shel	B24W02651 & B41W02651	EPDAP-101	06/30/2019-06/30/2022	NSF International	.5 Product
ProMar® 200 Zero VOC Interior Latex Eg-Shel	B20W02653,B20T02654, B20W12651, B20W02651, B20W02650,	EPDAP-101	06/30/2019-06/30/2022	NSF International	.5 Product
ProMar® 200 Zero VOC Interior Latex Semi-Gloss & Gloss	B31W02651 & B21W12651	EPDAP-101	06/30/2019-06/30/2022	NSF International	.5 Product
ProMar® 200 Zero VOC Interior Latex Primer	B28W02600	EPDAP-101	06/30/2019-06/30/2022	NSF International	.5 Product
ProMar® 400 Zero VOC Interior Flat & Eg-Shel	B30W04651 & B20W04651	EPDAP-103	06/30/2019-06/30/2022	NSF International	.5 Product
ProMar® 400 Zero VOC Interior Low Sheen & Semi-Gloss	B24W04651 & B31W04651	EPDAP-103	06/30/2019-06/30/2022	NSF International	.5 Product
ProMar® 400 Zero VOC Interior Primer	B28W04600	EPDAP-103	06/30/2019-06/30/2022	NSF International	.5 Product

Per USGBC LEED v4.1:
Intent:
To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. To reward project teams for selecting products from manufacturers who have verified improved environmental life-cycle impacts.

Requirements:
NC, CS, SCHOOLS, RETAIL, DATA CENTERS, WAREHOUSES & DISTRIBUTION CENTERS, HOSPITALITY, HEALTHCARE

Option 2. Embodied Carbon/LCA Optimization Action Plan (1 point)
Use products that have an embodied carbon optimization report or action plan separate from the LCA or EPD. Use at least 5 permanently installed products sourced from at least three different manufacturers
Report type: **Embodied Carbon/LCA Action Plan**
Valuation: ½ product

The LCA Optimization Action Plan above were independently verified by NSF International in accordance with ISO 21930 and ISO 14025, by NSF International ncss@nsf.org,
Certificates can be found on: http://info.nsf.org/Certified/Sustain/listings.asp?CompanyName=sher&ProductName=&StdExt=&Standard=LEED41&search=Search or www.paintdocs.com

†Refer to the current EDS for specific VOCs (calculated per 40 CFR 59.406). VOCs may vary by base and sheen.

NSF Certified Environmental Product Declaration www.nsf.org

Product Numbers link directly to their respective certificates for convenience.

LEED®v4.1 New Construction, Core and Shell, Schools, Healthcare, Hospitality Contributes toward satisfying MR CREDIT: MATERIAL INGREDIENTS OPTION 1: MATERIAL INGREDIENT REPORTING- PRODUCT LENS CERTIFICATION 10/2021					updated 11/09/2021
PRODUCTS	**PRODUCT NUMBERS**	**Assessor**	**3rd party Certifier**	**Certification Period**	**Value**
Emerald Interior Flat, Matte, Satin & Semi-Gloss	K35,K36,K37 & K38-300/400 Series	MBDC Basis methodology v3.0*	UL Product Lens Certified	6/2020-6/2022	1.5 Product
Loxon Concrete & Masonry Primer	LX02W0050	MBDC Basis methodology v3.0*	UL Product Lens Certified	6/2020-6/2022	1.5 Product
PrepRite ProBlock	B51W00620 & B51W00623	MBDC Basis methodology v3.0*	UL Product Lens Certified	6/2020-6/2022	1.5 Product
ProMar 200 Zero VOC Interior Latex Flat	B30-2650/12651 Series	MBDC Basis methodology v3.0*	UL Product Lens Certified	7/2020-7/2023	1.5 Product
ProMar 200 Zero VOC Interior Latex Low Sheen	B24-2650 Series	MBDC Basis methodology v3.0*	UL Product Lens Certified	7/2020-7/2023	1.5 Product
ProMar 200 Zero VOC Interior Latex Low Gloss Eg-Shel	B41-2650, Series	MBDC Basis methodology v3.0*	UL Product Lens Certified	7/2020-7/2023	1.5 Product
ProMar 200 Zero VOC Interior Latex Eg-Shel	B20-2650, B20-12651 Series	MBDC Basis methodology v3.0*	UL Product Lens Certified	7/2020-7/2023	1.5 Product
ProMar 200 Zero VOC Interior Latex Semi-Gloss	B31-2650 Series	MBDC Basis methodology v3.0*	UL Product Lens Certified	7/2020-7/2023	1.5 Product
ProMar 200 Zero VOC Interior Latex Gloss	B21-12651	MBDC Basis methodology v3.0*	UL Product Lens Certified	7/2020-7/2023	1.5 Product
ProMar® 200 Zero VOC Interior Latex Primer	B28-2600	MBDC Basis methodology v3.0*	UL Product Lens Certified	7/2020-7/2023	1.5 Product

*Methodology based on Cradle to Cradle Certified™ Product Material Health Assessment Methodology v3.0

Per USGBC LEED v4.1:
Intent
To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. To reward project teams for selecting products for which the chemical ingredients in the product are inventoried using an accepted methodology and for selecting products verified to minimize the use and generation of harmful substances. To reward raw material manufacturers who produce products verified to have improved life-cycle impacts.

Requirements:
NC, CS, SCHOOLS, RETAIL NC, DATA CENTERS, WAREHOUSES & DISTRIBUTION CENTERS, HOSPITALITY NC, HEALTHCARE

Option 1. Material Ingredient Reporting (1 point)
Use at least 20 different permanently installed products from at least five different manufacturers that use any of the following programs to demonstrate the chemical inventory of the product to at least 0.1% (1000 ppm).
- Manufacturer Inventory
- Health Product Declaration.
- Cradle to Cradle.
- Declare.
- **Product Lens Certification.**

Any compliant reports above with third-party verification that includes the verification of content inventory are worth 1.5 products for credit achievement calculations.

UL's Product Lens Certification is an ingredient disclosure tool that provides hazard information in context, fulfilling the new demands for product transparency.

The Product Lens certification is a result of collaboration between UL Environment, MBDC and Cradle to Cradle Product Innovation Institute, with UL basing the program's chemical assessment on the Materials Health Assessment Methodology from the Cradle to Cradle Certified™ Products program. The tool was developed in partnership with MBDC to meet and exceed the chemical disclosure requirements outlined by the design community and LEED®. With the program harmonized at the assessment level, manufacturers are able to progress further into the Cradle to Cradle certification programs as they desire.

Product Lens has been designed to meet credit requirements in LEED v4 for chemical disclosure (MR Credit: Building Product Disclosure and Optimization – Material Ingredients). All information is verified by UL, helping manufacturers address the skepticism inherent in self-disclosure, and signaling trust and legitimacy to specifiers and purchasers.

Certificates can be found on: https://spot.ul.com/

P,S,U= Primer, Sealer, Undercoater

^Category classification based on SCAQMD Rule 1113, February 5, 2016 and CARB 2007 SCM definitions.
†Refer to the current EDS for specific VOCs (calculated per 40 CFR 59.406). VOCs may vary by base and sheen.

UL CERTIFIED
PRODUCT LENS MATERIALS TRANSPARENCY AND DISCLOSURE
VIEW SPECIFIC INGREDIENTS AND EVALUATIONS:
UL.COM/PL

Product Numbers link directly to their respective certificates for convenience.

LEED®v4.1 New Construction, Core and Shell, Schools, Healthcare, Hospitality Contributes toward satisfying MR CREDIT: MATERIAL INGREDIENTS OPTION 1: MATERIAL INGREDIENT REPORTING -MANUFACTURER INVENTORY 10/2021					updated 11/24/2021
PRODUCTS	**PRODUCT NUMBERS**	**NSF® International Report**	**3rd party Certifier**	**Certification Period**	**Value**
ConFlex™ Block Filler	**CF01W50**	**CHEMMI-101**	**NSF® International**	**03/02/2020 - 12/31/2022**	**1.5 Product**
Emerald® Urethane Trim Enamel	**K37,K38 & K39-1700/2700 Series**	**CHEMMI-135**	**NSF® International**	**11/22/2021 - 11/22/2024**	**1.5 Product**
Eminence® Ceiling Paint	**A27W3815**	**CHEMMI-102**	**NSF® International**	**03/02/2020 - 12/31/2022**	**1.5 Product**
Loxon® Acrylic Block Surfacer	**LX01W0200**	**CHEMMI-137**	**NSF® International**	**11/22/2021 - 11/22/2024**	**1.5 Product**
Loxon® Acrylic Conditioners	**LX03V0100, LX03W0100**	**CHEMMI-136**	**NSF® International**	**11/22/2021 - 11/22/2024**	**1.5 Product**
Multi-Purpose Latex Primer	**B51W450 & B51W453**	**CHEMMI-104**	**NSF® International**	**03/02/2020 - 12/31/2022**	**1.5 Product**
PrepRite® ProBlock® Interior/Exterior Latex Primer	**B51W620 & B51W623**	**CHEMMI-128**	**NSF® International**	**06/11/2021 - 06/11/2024**	**1.5 Product**
ProMar® 200 HP Zero VOC, Low Gloss Eg-Shel, Eg-Shel & Semi-Gloss	**B41, B20 & B31 Series**	**CHEMMI-111**	**NSF® International**	**03/02/2020 - 12/31/2022**	**1.5 Product**
ProMar® 400 Zero VOC Interior Latex, Flat, Low Sheen Eg-Shel, Eg-Shel, Semi-Gloss, Gloss & Primer	**B30, B24, B20, B31, B21 & B28 Series**	**CHEMMI-112**	**NSF® International**	**03/02/2020 - 12/31/2022**	**1.5 Product**
ProMar® Interior Ceiling Paint	**A27W05050**	**CHEMMI-132**	**NSF® International**	**11/22/2021 - 11/22/2024**	**1.5 Product**
Pro Industrial™ Acrylic, Matte, Eg-Shel, Semi-Gloss & Gloss	**B66-600 Series**	**CHEMMI-124**	**NSF® International**	**06/11/2021 - 06/11/2024**	**1.5 Product**
Pro Industrial™ DTM Primer/Finish	**B66W11**	**CHEMMI-108**	**NSF® International**	**03/02/2020 - 12/31/2022**	**1.5 Product**
Pro Industrial™ Dryfall, Flat, Eg-Shel & Semi-Gloss	**B42W181, B42T81, B42B81, B42W82,B42W182 & B42W83**	**CHEMMI-125**	**NSF® International**	**06/11/2021 - 06/11/2024**	**1.5 Product**
Pro Industrial™ Heavy Duty Block Filler	**B42W150**	**CHEMMI-106**	**NSF® International**	**03/02/2020 - 12/31/2022**	**1.5 Product**
Pro Industrial™ Pre-Catalyzed Waterbased Urethane	**B65W01100 Series**	**CHEMMI-127**	**NSF® International**	**06/11/2021 - 06/11/2024**	**1.5 Product**
Pro Industrial™ Pro-Cryl Universal Primer, Off White, Gray and Red Oxide	**B66W1310,B66A1320 & B66N1310**	**CHEMMI-109**	**NSF® International**	**03/02/2020 - 12/31/2022**	**1.5 Product**
Pro Industrial™ Water Based Acrolon™ 100	**B65-720 Series**	**CHEMMI-123**	**NSF® International**	**06/11/2021 - 06/11/2024**	**1.5 Product**
Pro Industrial™ Waterbased Catalyzed Epoxy, Eg-Shel & Gloss	**B73-300 Series**	**CHEMMI-110**	**NSF® International**	**03/02/2020 - 12/31/2022**	**1.5 Product**
PVA Drywall Primer	**B28W08020, B28W08030**	**CHEMMI-138**	**NSF® International**	**11/22/2021 - 11/22/2024**	**1.5 Product**
Solo™ Interior/Exterior Acrylic Flat,Eg-Shel,Satin,S/G & Gloss	**A74,A75,A73,A76 & A77**	**CHEMMI-133**	**NSF® International**	**11/22/2021 - 11/22/2024**	**1.5 Product**
SuperPaint® Interior, Flat, Velvet, Satin & Semi-Gloss	**A86, A94, A87 & A88**	**CHEMMI-139**	**NSF® International**	**11/22/2021 - 11/22/2024**	**1.5 Product**
SuperPaint® with Air Purifying Technology[1]	**A86, A87 & A88-60 series**	**CHEMMI-130**	**NSF® International**	**06/11/2021 - 06/11/2024**	**1.5 Product**
SuperPaint® with Sanitizing Technology[2]	**A87W1**	**CHEMMI-131**	**NSF® International**	**06/11/2021 - 06/11/2024**	**1.5 Product**

Per USGBC LEED v4.1:
Requirements:
NC, CS, SCHOOLS, RETAIL NC, DATA CENTERS, WAREHOUSES & DISTRIBUTION CENTERS, HOSPITALITY NC, HEALTHCARE
Option 1. Material Ingredient Reporting (1 point)
Use at least 20 different permanently installed products from at least five different manufacturers that use any of the following programs to demonstrate the chemical inventory of the product to at least 0.1% (1000 ppm).
•   **Manufacturer Inventory**
•   Health Product Declaration, Cradle to Cradle, Declare.
•   Product Lens Certification. USGBC approved program
Manufacturer Inventory. The manufacturer has published complete content inventory for the product following these guidelines:
A publicly available inventory of all ingredients identified by name and Chemical Abstract Service Registration Number (CASRN) and/or European Community Number (EC Number).
Materials defined as trade secret or intellectual property may withhold the name and/or CASRN/EC Number but must disclose ingredient/chemical role, amount and hazard score/class using either:
The Globally Harmonized System of Classification and Labeling of Chemicals rev.6 (2015) (GHS)
      • The hazard screen must be applied to each trade secret ingredient and the inventory lists the hazard category for each of the health hazards included in Part 3 of GHS (e.g. "GHS Category 2 Carcinogen").

Any compliant reports above with third-party verification that includes the verification of content inventory are worth 1.5 products for credit achievement calculations.
Certificates can be found on: http://info.nsf.org/Certified/sustain/listings.asp?Standard=LEED41&Company=C0261406
P,S,U= Primer, Sealer, Undercoater   ^Category classification based on SCAQMD Rule 1113, February 5, 2016 and CARB 2007 SCM definitions.
†Refer to the current EDS for specific VOCs (calculated per 40 CFR 59.406). VOCs may vary by base and sheen.

LEED®v4.1 New Construction, Core and Shell, Schools, Healthcare, Hospitality Contributes toward satisfying MR CREDIT: MATERIAL INGREDIENTS OPTION 2: MATERIAL INGREDIENT OPTIMAZATION 10/2021 Material Ingredient Screening and Optimaztion Action Plan					updated 11/09/2021
PRODUCTS	**PRODUCT NUMBERS**	**Declaration Number**	**Period of Validity**	**Program Operator**	**Value**
Emerald Interior Flat, Matte & Satin	K35, K36, K37 & K38W00300/400 Series	CHEMAP-102	08/07/2019-08/07/2022	NSF International	.5 Product
Loxon® Concrete and Masonry Primer	LX02W0050	CHEMAP-103	08/07/2019-08/07/2022	NSF International	.5 Product
PrepRite® ProBlock®	B51W00620 & B51W00623	CHEMAP-104	08/07/2019-08/07/2022	NSF International	.5 Product
ProMar® 200 Zero VOC Interior Latex Flat	B30W02653, B30W12651	CHEMAP-101	07/01/2019 - 06/30/2022	NSF International	.5 Product
ProMar® 200 Zero VOC Interior Latex Low Sheen & Low Gloss Eg-Shel	B24W02651 & B41W02651	CHEMAP-101	07/01/2019 - 06/30/2022	NSF International	.5 Product
ProMar® 200 Zero VOC Interior Latex Eg-Shel	B20W02653,B20T02654, B20W12651, B20W02651, B20W02650,	CHEMAP-101	07/01/2019 - 06/30/2022	NSF International	.5 Product
ProMar® 200 Zero VOC Interior Latex Semi-Gloss & Gloss	B31W02651 & B21W12651	CHEMAP-101	07/01/2019 - 06/30/2022	NSF International	.5 Product
ProMar® 200 Zero VOC Interior Latex Primer	B28-Series	CHEMAP-101	07/01/2019 - 06/30/2022	NSF International	.5 Product

Per USGBC LEED v4.1:
Intent
To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. To reward project teams for selecting products for which the chemical ingredients in the product are inventoried using an accepted methodology and for selecting products verified to minimize the use and generation of harmful substances. To reward raw material manufacturers who produce products verified to have improved life-cycle impacts.

Requirements:
NC, CS, SCHOOLS, RETAIL, DATA CENTERS, WAREHOUSES & DISTRIBUTION CENTERS, HOSPITALITY, HEALTHCARE

Option 2: Material Ingredient Optimization (1 point)
Use products that have a compliant material ingredient report or action plan. Use at least 5 permanently installed products sourced from at least three different manufacturers.

Material Ingredient Screening and Optimization Action Plan (value at 50% by cost or ½ product)
Action Plan based on publicly available material inventory to at least 1,000ppm.

The Material Ingredient Screening and Optimization Action Plans above were independently verified by NSF International in accordance with ISO 21930 and ISO 14025, by NSF International ncss@nsf.org, Certificates can be found on: http://info.nsf.org/Certified/Sustain/listings.asp?CompanyName=sher&ProductName=&StdExt=&Standard=LEED41&search=Search

†Refer to the current EDS for specific VOCs (calculated per 40 CFR 59.406). VOCs may vary by base and sheen.

NSF Certified Environmental Product Declaration www.nsf.org

This information is furnished only as a guide and is not all-inclusive of available Sherwin-Williams products. Links directly to the certificates have been added for convenience.

UL GREENGUARD® certified or CDPH v1.2-2017 Acceptable Emissions certified Sherwin-Williams Paint Product List		updated 11/09/2021
PRODUCTS	**PRODUCT NUMBERS**	**GREENGUARD Gold or CDPH v1.2**
All Surface HP Enamel Eg-Shel, Semi-Gloss & Gloss -Canada Only	A43, A41 & A42-Q8050 Series	Certified
All Surface Enamel Satin & Gloss	A41-1350 & A41-1250 Series	Certified
Armorseal® 8100 Water Based Epoxy Floor Coating	B70-8100/8160 Series	Certified
ConFlex™ Block Filler	CF01W0050	Certified
ColorCast Ecotoners	CCE-AC series	Certified
Dry Erase Coating	KB65C2000	Certified
Drywall Primer Interior	B28W08150	Certified
Duration Home® Interior Flat, Matte, Satin & Semi-Gloss	A95 A96 A97 & A98	Certified
EcoSelect® Interior Flat, Eg-Shel & Semi-Gloss	A21, A22 & A20 Series	Certified
Emerald® Designer Edition™ Interior Latex Flat, Eg-Shel and Satin	K25 K26 & K27 Series	Certified
Emerald® Interior Flat & Matte	K35 & K36 Series	Certified
Emerald® Interior Satin & Semi-Gloss	K37 & K38 Series	Certified
Eminence® Ceiling Paint	A27	Certified
Extreme Bond Bonding Primer	B51-1100 Series	Certified
Loxon® Acrylic Conditioner Clear & Guide Coat White	LX03V0100 & LX03W0100	Certified
Loxon® Concrete & Masonry Primer	LX02W0050 Series	Certified
Multi-Purpose Latex Primer	B51-450 Series	Certified
Multi-Purpose Waterbased Acrylic-Alkyd Primer	B79W450	Certified
Painters Edge® Interior Flat	PE45 Series	Certified
PrepRite® ProBlock® Latex Primer	B51-620 Series	Certified
ProMar® 200 HP Zero VOC Latex Low Gloss Eg-Shel, Eg-Shel & S/G	B41, B20 & B31-1950 Series	Certified
ProMar® 200 Zero VOC Interior Latex Eg-Shel,	B20-12600 Series	Certified
ProMar® 200 Zero VOC Interior Latex Flat	B30-2600/12600 Series	Certified
ProMar® 200 Zero VOC Interior Latex Low Gloss Eg-Shel	B41-2600 Series	Certified
ProMar® 200 Zero VOC Interior Latex Low Sheen	B24-2600 Series	Certified
ProMar® 200 Zero VOC Interior Latex Semi-Gloss & Gloss	B31-2600 & B21-12650 Series	Certified
ProMar® 200 & 400 Zero VOC Primer	B28W2600 B28W4600	Certified
ProMar® 400 Zero VOC Interior Latex Eg-Shel	B20-4600 Series	Certified
ProMar® 400 Zero VOC Interior Latex Flat	B30-4600 Series	Certified
ProMar® 400 Zero VOC Interior Latex Low Sheen	B24-4600 Series	Certified
ProMar® 400 Zero VOC Interior Latex Semi-Gloss & Gloss	B31-4600 & B21-4650 Series	Certified
ProMar Ceiling Paint	A27W5050	Certified
Pro Industrial™ Acrylic Coating, Gloss, Semi-Gloss & Eg-Shel	B66-660, B66-1660, 650 & 600 Series	Certified
Pro Industrial DTM Primer/Finish	B66W00011	Certified
Pro Industrial™ Heavy Duty Block Filler	B42W00150	Certified
Pro Industrial™ Water Based Catalyzed Epoxy	B73-300 Series	Certified
Pro Industrial™ Pre-Catalyzed Waterbased Urethane	B65W01121	Certified
Pro Industrial™ Pre-Catalyzed Epoxy Eg-Shel & Semi-Gloss	K45-1150 & K46-1150 Series	Certified
Pro Industrial™ Water Based Acrolon 100	B65W00721/B65V00720	Certified
Pro Industrial™ Pro-Cryl® Universal Primer Off White, Medium Grey & Red Oxide	B66-1300 Series	Certified
PVA Drywall Primer	B28W08020 B28W08030	Certified
Quick Dry Stain Blocking Primer	B51W8670	Certified
Solo® Interior/Exterior Flat, Eg-Shel, Satin, Semi-Gloss & Gloss	A74, A75, A73, A76 & A77 Series	Certified
SuperPaint® with Air Purifying Technology[1] Flat, Satin & Semi-Gloss	A86W00061 A87, A88W61 Series	Certified
Tuff Surface Premium Texture Flat & Eg-Shel	A44W1050 & A44W1350	Certified
Loxon® Water Blocking Primer/Finish	LX12W0050 Series	Certified
Waterborne Acrylic DryFall -Flat, Eg-Shel & Semi-Gloss White, Flat Black & Ultradeep	B42W01181 B42W181, B42W82 B42W83 & B42B00081 B42T00081	Certified

Standard method for the testing and evaluation of volatile organic chemical emissions from indoor sources using environmental chambers version 1.2 This credit requires products to be tested in accordance with the California Department of Health Services (CDPH) V1.2-2017. Section 6 of the CDPH Standard Practice defines the provision required for " REQUIRED ELEMENTS OF THE LABORATORY TEST REPORT".

The products listed above have been independently certified by UL Environment in accordance with "UL 2818 –GREENGUARD Certification Program for Chemical Emissions for Building Materials, Finishes and Furnishings, " and/or Standard referenced: CDPH/EHLB/Standard Method V1.2 (January 2017) "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers" (aka CA Section 01350). For more information, see http://www.cdph.ca.gov
GREENGUARD Certified products are certified to UL GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com.
Certificates can be found on: spot.ul.com or www.paintdocs.com

Sherwin-Williams Caulks and Sealants				updated 03/01/2021
PRODUCTS	PRODUCT NUMBERS	Ounces	PRODUCT VOCs†	CATEGORY*
Loxon® S1 Smooth Polyurethane Sealant	SU21S Series	10.1 & 20 oz	< 50 g/L	SCCN R1168 Architectural Sealants
Loxon® TX Textured Polyurethane Sealant	SU31T Series	10.1 & 20 oz	< 50 g/L	SCCN R1168 Architectural Sealants
Loxon® H1 Low Modulus Hybrid Sealant	SU51H Series	10.1 & 20 oz	< 50 g/L	R1168 Architectural Sealants
Loxon® SL1 Self Leveling Polyurethane Sealant	SU41L Series	28	< 50 g/L	R1168 Architectural Sealants
Loxon® NS2 Two Component Non Sag Polyurethane Sealant	SU2KS Series	192	< 50 g/L	R1168 Architectural Sealants
Loxon® SL2 Two Component Self Leveling Polyurethane Sealant	SU2KL Series	192	< 50 g/L	R1168 Architectural Sealants
SHER-MAX Urethanized Elastomeric Sealant	WL001360A / WL002350A	10.1 oz	< 50 g/L	SCCN
MAXFLEX Acrylic Urethane Elastomoeric Sealant	WL9990024	10.1 oz	< 50 g/L	SCCN
POWER HOUSE Siliconized Acrylic Sealant	WL1100A Series	10.1 oz	< 50 g/L	SCCN
1050QD Siliconized Acrylic Latex Caulk	WL01050QD	10.1 oz	< 50 g/L	SCCN
950A Siliconized Acrylic Latex Caulk	950A Series	10.1 oz	< 50 g/L	SCCN
MAGNUM XL Siliconized Acrylic Latex Adhesive Caulk	WL9990030	10.1 oz	< 50 g/L	SCCN
850A Acrylic Latex Caulk	WL0850A	10.1 oz	< 50 g/L	SCCN
NR5000	WL000660A	10.1 oz	< 50 g/L	SCCN
NR4000	WL000650A	10.1 oz	< 50 g/L	SCCN
MH150	WL30110	10.1 oz	< 50 g/L	SCCN
C77 Shrink Free Spackling	WL077 Series	8, 32 &128 oz	< 50 g/L	R1168 Architectural Sealants
C50 Spackling Paste	WL050 Series	8 & 32 oz	< 50 g/L	R1168 Architectural Sealants
3006 ULTRA All Purpose Elastomeric Sealant	W11000010 Series	10/5.5 oz	< 50 g/L	SCCN
BOLT Quick Dry Siliconized Acrylic Latex Caulk	W31010010 Series	10/5.5 oz	< 50 g/L	SCCN
3006 Advanced Formula All Purpose Adhesive Caulk	W12000010 Series	10/5.5 oz	< 50 g/L	SCCN
Silicone Ultra Window & Door Sealant	W31000010 Series	9 oz	< 50 g/L	SCCN
Paintable Silicone All Purpose Sealant	W31202210	9 oz	< 50 g/L	SCCN
Speed Grip Latex Construction Adhesive	W70100010	9 oz	< 50 g/L	SCCN
Kitchen & Bath Latex Ultra High Gloss Sealant	W21000005	10/5.5 oz	< 50 g/L	SCCN
Color Cue Lightweight Spackling Compound	WL0006052	32 oz	< 50 g/L	R1168 Architectural Sealants

*Most of the above caulks and sealant products are covered by California's Consumer Product Regulation as either a chemically curing sealant (SCCC) or a non-chemically curing sealant (SCCN). However, if the product is sold in more than 16 ounces, it is then picked up by the South Coast Regulation R1168.
†Refer to the current EDS for specific VOCs (calculated per 40 CFR 59.406). VOCs may vary by base and color.

UL GREENGUARD/ CDPH V1.1 & 1.2 Certification-Caulk/Sealants	
PRODUCTS	GREENGUARD Gold CDPH Method V1.1 & 1.2 (CA01350)
950A Acrylic Latex Caulk	Certified
PowerHouse® Acrylic Latex Sealant, 1100A	Certified
Loxon® H1 One Component Hybrid Sealant	Certified
Loxon® S1 One Component Polyurethane Sealant	Certified
White Lightning® 3006 Ultra® W1100 Series	Certified
White Lightning® 3006™ Advanced Formula, W12AF Series	Certified
White Lightning® 3006 Quick Dry™, W12QD Series	Certified
White Lightning® All Purpose Silicone Rubber, W1112 Series	Certified
White Lightning® Flame Buster® W44017010 High Heat	Certified
White Lightning® Flame Buster Intumescent Latex W44007010	Certified
White Lightning® Flame Buster® Intumescent Silicone Sealant W44107010	Certified
White Lightning® Flame Buster® Fire & Smoke Blocking Silicone Sealant W44117010	Certified
White Lightning® Optima™ Hybrid Sealant W31200010	Certified
White Lightning Pristine™ Acrylic Sealant W30000010	Certified
White Lightning® Silicone Ultra Kitchen & Bath, W21102010 Series	Certified
White Lightning® Speed Grip Construction Adhesive, W70100010	Certified

The products listed above in the UL GREENGUARD Certifications-Caulk/Sealants table have been independently certified by UL Environment in accordance with "UL 2818 – GREENGUARD Certification Program for Chemical Emissions for Building Materials, Finishes and Furnishings, " and/or Standard referenced: CDPH/EHLB/Standard Method V1.2 (January 2017) "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers" (aka CA Section 01350). For more information, see http://www.cdph.ca.gov Building products and Interior finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using the applicable exposure scenario(s). GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com. Certificates can be found on: spot.ul.com

Sherwin-Williams High Performance Flooring				updated 06/28/2021
PRODUCTS	**IAQ: CDPH v1.2-2017 Emissions**	**Material Ingredients: Manufacturer Inventory**	**Product Data Sheet (PDS)**	**Enviromantal Data Sheet (EDS)**
Elladur™ 4850 Polyaspartic SS	CDPH	YES	PDS	EDS
Resuflor™ 3520 Epoxy Terrazzo Matrix	CDPH	YES	PDS	EDS
Resuflor™ 3555 HD Epoxy Coating	CDPH	YES	PDS	EDS
Resuflor™ 3556 Terrazzo Membrane	CDPH	YES	PDS	EDS
Resuflor™ 3561 Epoxy Resin Glaze	CDPH	YES	PDS	EDS
Resuflor™ 3746 High Performance Epoxy	CDPH	YES	PDS	EDS
Resuprime™ 3830 Epoxy Resin	CDPH	YES	PDS	EDS
Resutile™ Aqua 4410 Water-Based Urethane	CDPH	YES	PDS	EDS

CDPH Emissions Test Method:
Standard referenced: CDPH/EHLB/Standard Method V1.2 (January 2017) "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers" (aka CA Section 01350).

Per USGBC LEED v4.1: MR Intent:
Option 1. Material Ingredient Reporting (1 point)
Use at least 20 different permanently installed products from at least five different manufacturers that use any of the following programs to demonstrate the chemical inventory of the product to at least 0.1% (1000 ppm).
- **Manufacturer Inventory**
- Health Product Declaration.
- Cradle to Cradle.
- Declare.
- Product Lens Certification.
- USGBC approved program

Manufacturer Inventory. The manufacturer has published complete content inventory for the product following these guidelines:
A publicly available inventory of all ingredients identified by name and Chemical Abstract Service Registration Number (CASRN) and/or European Community Number (EC Number).
Materials defined as trade secret or intellectual property may withhold the name and/or CASRN/EC Number but must disclose ingredient/chemical role, amount and hazard score/class using either:
The Globally Harmonized System of Classification and Labeling of Chemicals rev.6 (2015) (GHS)
        • The hazard screen must be applied to each trade secret ingredient and the inventory lists the hazard category for each of the health hazards included in Part 3 of GHS (e.g. "GHS Category 2 Carcinogen").

Any compliant reports above with third-party verification that includes the verification of content inventory are worth 1.5 products for credit achievement calculations.

What's changed for paints & coatings in LEED® v4.1?

LEED® v4.1 still addresses VOCs, Emissions and Material Transparency, yet is evolving to reward products that continuously improve. Sherwin-Williams paints and coatings may help contribute points towards LEED® v4.1 in three categories — Environmental Quality Credits, Materials and Resources Credits and Pilot Credit.

LEED® v4.1 Points Summary

EQ Credit (Emissions) 3+ Points
Low-Emitting Materials

Earn up to 3 points with other eligible products + exemplary performance (Reach 90% threshold in at least 3 product categories)
Points are earned by "bundling" or combining compliant products from 2 or more categories.

- **Paints and Coatings**
  - » At least 75% of all paints and coatings, by volume or surface area, meet the VOC emissions evaluation.
  - » AND 100% meet the VOC content evaluation.

- **Adhesives and Sealants**
  - » At least 75% of all adhesives and sealants, by volume or surface area, meet the VOC emissions evaluation.
  - » AND 100% meet the VOC content evaluation.

- **Flooring**
  - » At least 90% of all flooring, by cost or surface area, meets the VOC emissions evaluation.
- **Ceilings**
- **Wall panels**
- **Composite wood**
- **Insulation**
- **Furniture**

MR Credit (Transparency) 2 Points
Environmental Product Declaration

Achieve one or more of the options below for a maximum of 2 points.

Option 1 – Environmental Product Declarations (EPD) (1 Point)
- Earn 1 point by using at least 20 permanently installed products from 5+ manufacturers.
- Product-Specific Type III EPD: Third-Party certified EPD through NSF International are valued as 1.5 products.

Option 2 – Embodied Carbon/LCA Optimization Action Plan (1 point)
- LCA Optimization Action Plan (value at 50% by cost or 1/2 product) Third-Party certification through NSF
- Life Cycle Impact Reductions in Embodied Carbon.

MR Credit (Transparency) 2 Points
Material Ingredients

Achieve one or more of the options below for a maximum of 2 points.

Option 1 – Material Ingredient Reporting (1 point)
- Use at least 20 different permanently installed products from at least five different manufacturers.
  - » Manufacturer's Inventory Product Declaration-Third-Party NSF Certification is worth 1.5 products
  - » Product Lens Certification-Third-Party Certification UL/GREENGUARD (Product Lens Assesment (PLA)) is worth 1.5 products.

Option 2 – Material Ingredient Optimization (1 point)
- Use permanently installed products from at least three different manufacturers that document their material ingredient optimization. Choose 10 compliant products.
  - » Material Ingredient Screening and Optimization Action Plan (value at 50% by cost of 1/2 product). certified through NSF

Pilot Credit 1 Point
Integrated Analysis of Building Materials (IABM)

At least 3 permanently installed products with documented:

- Life-cycle analysis

- Health, Safety and Environment results certified by third parties

Opportunities to contribute towards LEED® v4.1 points

Earn up to 3 points + exemplary performance
(Reach 90% threshold in at least 3 product categories) of the EQ Credit:

The first option to earn points for Low-Emitting materials includes multiple categories of materials. Compliant products must meet emissions and VOC content standards to contribute to points. Points are earned by "bundling" or combining compliant products from 2 or more categories.

Product categories include:

- Interior paint and coatings
- Interior adhesives and sealants
- Ceilings
- Wall panels
- Flooring
- Composite wood
- Insulation
- Furniture

VOC emissions evaluation

Option 1. Product has been tested according to California Department of Public Health (CDPH) Standard Method v1.2–2017.

VOC content evaluation

Paints and coatings: Product meets the VOC content limits outlined in one of the applicable standards
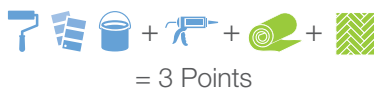
- California Air Resource Board (CARB) 2007 Suggested Control Measure (SCM) for Architectural Coatings
- South Coast Air Quality Management District (SCAQMD) Rule 1113, effective February 5, 2016

Adhesives and sealants

- SCAQMD Rule 1168, October 6, 2017

+ Sherwin-Williams products with GREENGUARD Gold Certification can contribute to the EQ Credit.

= 1 Point | = 2 Points | = 3 Points | = 3 points + exemplary performance

(Reach 90% threshold in at least three product categories). Exemplary performance or 1 additional point if only 2 points achieved in product categories.
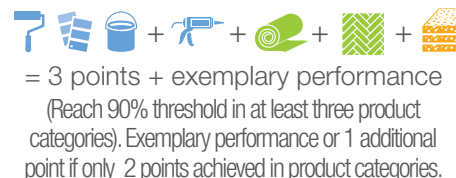
Help contribute up to 4 points for two categories of the MR Credit:
Building Product Disclosure & Optimization

MR Credit (Transparency) 2 Points
Environmental Product Declaration

Achieve one or more of the options below for a maximum of 2 points.

Option 1 – EPD

Earn 1 point for EPD when using at least 20 different permanently installed products from at least 5 different manufacturers.

- Product-Specific Type III EPD: Third-Party certified EPD through NSF International are valued as 1.5 products.
  » Products with third-party certification (Type III), including external verification and external critical review in which the manufacturer is explicitly recognized as the participant by the program operator, are valued as 1.5 products for the purposes of credit achievement calculation.

+ Sherwin-Williams products with an NSF International certified third-party certification EPD are valued as 1.5 products.

Option 2 – Embodied Carbon/LCA Optimization Action Plan (1 point)

Use products that comply with one of the criteria below for 10%, by cost, of the total value of permanently installed products in the project, or use at least 10 permanently installed products sourced from at least three different manufacturers.

- LCA Optimization Action Plan (value at 50% by cost or 1/2 product). certified through NSF

MR Credit (Transparency) 2 Points
Material Ingredients

Achieve one or more of the options below for a maximum of 2 points.

Option 1 – Material Ingredient Reporting (1 point)

- Use at least 20 different permanently installed products from at least five different manufacturers.
  » Manufacturer's Inventory Product Declartion-NSF certification
  » Cradle to Cradle
  » Declare
  » Health Product Declaration
  » Product Lens Certification-Third-Party Certification UL/GREENGUARD (Product Lens Assesment (PLA))

-Any compliant reports above with third-party verification that includes the verification of content inventory are worth 1.5 products for credit achievement calculations.

+ Sherwin-Williams products with NSF Manufacturer's Inventory certification or UL Product Lens certification can contribute towards this credit and are valued as 1.5 products.

AND/OR Option 2 – Material Ingredient Optimization (1 point)

Use permanently installed products from at least three different manufacturers that document their material ingredient optimization using the paths below. Choose 10 compliant products.

- Material Ingredient Screening and Optimization Action Plan (value at 50% by cost or 1/2 product). certified through NSF

NSF INDEPENDENTLY CERTIFIED

Opportunities to contribute towards LEED® v4.1 points cont.

Pilot Credit:
Earn 1 point for LEED® v4.1 Integrated Analysis of Building Materials

Pilot Credit 1 Point
Integrated Analysis of Building Materials (IABM)

New construction, core and shell, schools, healthcare and hospitality that use products and materials for which life cycle information is available and have environmentally, economically and socially preferable life-cycle impacts can earn 1 point.

Requirements are:

- Use 3+ different permanently installed products that have a documented qualitative analysis of the potential health, safety and environmental impacts of the product in five stages of the product's life cycle.

- Include verified quantitative information.
  - » Environmental Product Declarations (EPD), Life-Cycle Assessments (LCA), ecolabels, standards

+ Sherwin-Williams products with an NSF International certified EPD, LCA and emissions testing, material disclosure (third-party UL Product Lens certification), and safety assessment.

Visit swspecs.com to view Sherwin-Williams' Sustainable Programs Reference Guide for specific products that can help contribute towards earning LEED® v4 & v4.1 points in each category. Or call 1-800-524-5979 to have a Sherwin-Williams representative contact you.

What's changed for paints & coatings from LEED® v2009 to LEED® v4?

LEED® v2009 mainly addressed VOCs. Now, LEED® v4 addresses VOCs, Emissions and Material Transparency. Sherwin-Williams paints and coatings may help contribute points towards LEED® v4 in three categories – Environmental Quality Credit, Materials and Resources Credit and Pilot Credit.

LEED® v4 Points Summary

EQ Credit
(Emissions) 3 Points

- Earn up to 3 points with other eligible products

MR Credit
(Transparency) 2 Points

Environmental Product Declarations (EPD)

- Earn 1 point by using at least 20 permanently installed products from 5+ manufacturers
- 3rd party certified EPD through NSF International

Material Ingredients

- Earn 1 point by using at least 20 permanently installed products from 5+ manufacturers
- Product Lens™, a USGBC Approved Program in Material Ingredient Reporting

Pilot Credit
1 Point

- Integrated Analysis of Building Materials
- At least 3 permanently installed products with documented:
  - » Life-cycle analysis
  - » Health, Safety and Environment results certified by 3rd parties

Visit swspecs.com to view Sherwin-Williams' Green Programs Reference Guide for specific products that can help contribute towards earning LEED® v4 points in each category.

Four opportunities to contribute towards LEED® v4 points

Earn up to 3 points of the EQ Credit:

The first option to earn points for Low-Emitting materials includes 6 categories of materials – 7 when counting exterior paints and coatings for healthcare and schools only. Compliant products must meet VOC emission and content standards to contribute to points. Points are earned by "bundling" or combining compliant products from 2 or more categories.

Product categories include:

- Interior paint and coatings
- Interior adhesives and sealants
- Flooring
- Composite wood
- Insulation
- Furniture

The second option to earn points is the Budget Calculation Method. This can be used if some products in a category don't meet the criteria. Points are based on the total % of the surface area painted with compliant products:

- ≥ 50% to ≤ 70% will earn 1 point
- ≥ 70% to ≤ 90% will earn 2 points
- ≥ 90% will earn 3 points

+ Sherwin-Williams products with GREENGUARD Gold Certification can contribute to the EQ Credit

= 1 Point   = 2 Points   = 3 Points

Contribute up to 2 points for two categories of the MR Credit:
Building Product Disclosure & Optimization

EPD: Earn 1 point for EPD when using at least **20** different permanently installed products from at least **5 different** manufacturers.

- Certified through a 3rd party such as NSF International

INDEPENDENTLY CERTIFIED · NSF ·

+ Sherwin-Williams products with an NSF International certified EPD can contribute towards this credit

Material Ingredients: Earn 1 point for Material Ingredients when using at least **20** different permanently installed products from at least **5 different** manufacturers that use any of the following programs to demonstrate the chemical inventory of the product to at least 0.1% (1000 ppm).

- Manufacturer inventory
- Health product declaration
- Cradle to Cradle v2 Basic level or Cradle to Cradle v3 Bronze level
- Declare product label
- Cradle to Cradle Material Health Certificate
- USGBC approved program such as UL Product Lens™

+ Sherwin-Williams products with UL Product Lens certification can contribute towards this credit

Pilot Credit:
Earn 1 point for LEED® v4 Integrated Analysis of Building Materials

New construction, core and shell, schools, healthcare and hospitality that use products and materials for which life cycle information is available and have environmentally, economically and socially preferable life-cycle impacts can earn 1 point.

Requirements are:

- Use 3+ different permanently installed products that have a documented qualitative analysis of the potential health, safety and environmental impacts of the product in five stages of the product's life cycle
- Include verified quantitative information
  » Environmental Product Declarations (EPDs), Life-Cycle Assessments (LCAs), ecolabels, standards

+ Sherwin-Williams products with an NSF International certified EPD, LCA and emissions testing, material disclosure (3rd party UL Product Lens certification), and safety assessment

SHERWIN WILLIAMS.

LEED® and Other Building Rating Systems Form Instructions

To complete this form:

- Open the document in Adobe Acrobat Reader and select the Fill & Sign option in the right hand column

- Use the Fill & Sign toolbar to add text, check boxes or select answers

Rely on Sherwin-Williams for products that help contribute to LEED® and other building rating systems.

Environmental Quality (EQ)

Low Emitting Materials:

– Sherwin-Williams Paint, Caulking or Flooring with UL GREENGUARD® Gold or CDPH V1.2-2017 validated can help contribute

Materials and Resources (MR)

Environmental Product Declarations (EPD):

– Sherwin-Williams EPD Product Specific Type III with 3rd party NSF® International validated can help contribute

Material Ingredients Disclosure:

– Sherwin-Williams products with 3rd party UL Product Lens® (PLA) validated can help contribute

– Sherwin-Williams products with 3rd party NSF® International Manufacturer Inventory validated can help contribute

Pilot Credit

Integrated Analysis of Building Materials (IABM):

– Choose Sherwin-Williams products with an 3rd party NSF International certified EPD, LCA and emissions testing, material disclosure (3rd party UL Product Lens certification) or Manufacturer Inventory and safety assessment

SHERWIN-WILLIAMS **Multiple Product Tracking Sheet**

Product Name & Number	Volume	VOC g/L	VOC category	Product category type	TVOC	Indoor Environmental Quality			Emission Testing Certification	Materials Ingredients Reporting (MR) Credit: 3rd Party Certifications		Documents/ Certifications Attached
Sherwin-Williams Products	Number of gallons	Actual VOCs from EDS	Flat, non-Flat, Primer, Industrial, Dry Fog, etc...	SCAQMD, CARB 2007	0.5 mg/m3 or less, between 0.5 & 5.0 mg/m3, 5.0 mg/ m3 or more.	Paints & Coatings	Adhesives	Flooring	Source UL GREENGUARD or CDPH certificate	Environmental Product Declaration (EPD) Product Specific Type III	Manufacturer Inventory or UL Product Lens	EDS, SDS, PDS, EPD, PLA, MI, Emissions
									Y N	Y N	Y N	Y N
									Y N	Y N	Y N	Y N
									Y N	Y N	Y N	Y N
									Y N	Y N	Y N	Y N
									Y N	Y N	Y N	Y N
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									Y N	Y N	Y N	Y N

Environmental Data Sheets (EDS), Safety Data Sheets (SDS), Product Data Sheets (PDS), Environmental Product Declaration (EPD), Integrated Analysis of Building Materials (IABM), UL GREENGUARD/CDPH Emissions certificates (Green), Product Lens Assessment (PLA), Manufacturer Inventory (MI) and LBC Red List Free Letters (RLFL) can all be found by product number at: www.paintdocs.com.

Term	Definition
Advanced Resin Technology	Formulated for outstanding adhesion and hide.
Anti-microbial agents	Product contains agents which inhibit the growth of mold and mildew on the surface of this paint film.
ClimateFlex Technology™	Provides exceptional early moisture resistance and smooth application and appearance at extreme temperatures (application at 35°F-120°F (1.7°C - 48.8°C) air, surface and material temperatures).
ColorCast Ecotoner® Colorants	When tinted with ColorCast Ecotoner® Colorants, VOCs (Volatile Organic Compounds) will not be added to any Sherwin-Williams product.
Extreme Temp Technology™	Can be applied from 35°F–120°F air, surface and material temperatures.
ISO 9001	As tested by Sherwin-Williams ISO 9001 certified labs based on ASTM® standards, as applicable, or other generally accepted industry standards.
Mildew resistant	Coating contains agents which inhibit the growth of mildew on the surface of this paint film.
MoistureGuard™ Technology	Resisting moisture twice as quickly as standard exterior latex coatings.
Moisture Resistant Technology	Offering quick return to service (as little as two hours) and durability in moist environments like bathrooms.
Odor Block Technology	Allows odors to be blocked in the first coat. Measured by using precision instruments for quantifying odor strength in the ambient air
Self-Cleaning Technology™	Formulated to be self-cleaning by shedding dirt upon rain or water contact.
Stain Locking Technology	Allows stains to be trapped in the first coat, allowing the finish coat to be uniform in appearance without unsightly stain bleed through.
SuperDeck® Cool Feel™ Technology	Helps reduce the surface temperature by up to 20°F when compared to conventional color technology.
[1]SuperPaint® Air Purifying Technology	Helps reduce volatile organic compounds (VOCs) from potential sources like carpet, cabinets and fabrics. Odor eliminating technology helps reduce common household odors like cooking, smoking and pets. The length of time SuperPaint Air Purifying Technology actively reduces odors and formaldehyde depends on the concentration, the frequency of exposure and the amount of painted surface area.
[2]SuperPaint® with Sanitizing Technology	Is an EPA-registered snitizing paint that kills 99.9% of Staph (Staphylococcus aureus), MRSA (Methicillin-resistant Staphylococcus aureus), E. coli (Escherichia coli), VRE (Vancomycin-resistant Enterococcus faecalis) and Enterobacter aerogenes within two hours of exposure on painted surfaces. It continues to kill 90% of these bacteria even after repeated contamination on painted surfaces. The effectiveness lasts for up to four years as long as the integrity of the surface is maintained.
[3]Loxon Self-Cleaning Acrylic Technology™	Formulated to be self-cleaning by shedding dirt upon rain or water contact.
UL GREENGUARD® Gold	Certified to UL GREENGUARD® Gold standards for low chemical emissions into indoor air during product usage. To learn more, see spot.ul.com
VinylSafe®	VinylSafe® paint colors allow you the freedom to choose from 100 color options, including a limited selection of darker colors formulated to resist warping or buckling when applied to sound, stable vinyl siding.

To learn more, contact your local Sherwin-Williams Sales Rep or call 800-524-5979

Additional resources can be found at: Sherwin-Williams.com, paintdocs.com and swspecs.com

Visit swspecs.com to view the complete Sherwin-Williams' Sustainable Programs Reference Guide for specific products that can help contribute towards earning LEED® points in specific categories.
Or call 1-800-524-5979 to have a Sherwin-Williams representative contact you.