



TECHNICAL DATA SHEET

METALITE® 8000

Drained/Back-Ventilated Rainscreen
Aluminum Composite Material System
DS1008

PRODUCT DESCRIPTION

The Metalite 8000 is a drained/back-ventilated (D/BV) rainscreen with a joint spline, custom fabricated and engineered to match virtually any design. Its combination of form and function makes it the perfect choice for many applications. When matched with a properly integrated air barrier, Metalite 8000 meets even the most challenging criteria, reaching an astonishing 120 PSF design pressure during laboratory tests.

The Metalite 8000 is a labeled MCM system recognized by ICC-ES (ESR #4474 and ESL #1316). It is tested with traceable materials to the most up-to-date air, water, structural, deflection, and multi-story flame spread standards, including NFPA 285, in full compliance with 2016 IBC 1703.5. All pertinent system test results were certified by a third-party testing organization (Intertek) and publicly listed in Intertek's directory of building products. Intertek and Metalite created a 26-page factory audit manual (FAM), based on procurement, storage, and fabrication methods to ensure reliable quality. Intertek inspects the Metalite facility semi-annually, to certify that we are buying, storing, assembling, and tracing our material components as required by the FAM.

FEATURES & BENEFITS

Capitalizing on the innate performance of the AMC (Aluminum Composite Material), the Metalite 8000 System delivers on a sleek, flat look that manages thermal expansion and contraction, and virtually eliminates oil-canning. Proven, durable architectural coatings, including PVDF (poly vinylidene fluoride) and FEVE (fluoroethylene vinyl ether), ensure that the system will last the life of the building.

LIMITATIONS

- Common sheet width limitation: 62", common sheet length limitation: 196", maximum thickness: 6mm, and optimal panel joint width: ½".
- Custom color mica and metallic samples will have draw down lines.
- Refer to IBC Chapter 14 for standard core (polyethylene) applications.
- Not suitable material for break-forming, roll-forming, roofing, or coping material.
- Joints should not face upward.
- Some finishes may exhibit oil-canning.
- Some material must be assembled (e.g. three-sided panels, cornice profiles)
- Do not install within 9" of proposed landscaping.
- Most material cores should not be exposed.
- Metallic and anodic finishes are batch sensitive and have a grain direction.
- Requires 16-gauge drywall studs, 16" on center.
- Rainscreen cladding should not be considered an air and water barrier. For purposes of envelope continuity, the wall assembly should include a continuous air barrier on the exterior side of the sheathing.
- 1/4" in 20 ft, non-cumulative, on level, plumb, location lines as indicated. 1/8" offset off adjoining faces and of alignment of matching profiles. Values assume 4mm ALPOLIC® with a mineral core.

WARRANTY

A repair or replacement warranty is available on all Dryvit products. Visit <https://www.tremcosealants.com/warranties/> for details.

TYPICAL PHYSICAL PROPERTIES

SYSTEM PROPERTIES	TEST METHOD	TYPICAL RESULTS
System Depth		1 ½"
Joint Width		½" (nominal)
System Weight		2.29 lbs/ft ²
Aluminum Extrusion Alloy		6063 T6
Minimum Structural Substrates		16 ga Steel Studs
Fasteners		#12-24 Drill Flex
Air Infiltration @ 6.24 psf		<0.01 cfm/ft ²
Water Resistance Test Pressure		15.00 psf
Uniform Load Deflection		+100 psf, -80 psf
Uniform Load Structural		+150 psf, -120 psf
AAMA 509		W1, V2
NFPA 285 (pass or fail)		Passed*

SHEET PROPERTIES	TEST METHOD	RESULT
Thickness		4 mm
Weight		1.56 lbs/ft ²
Peel Strength		22.5 minimum in. x lbs./in.
Coefficient of Expansion		13 x 10 ⁻⁶ in./in./°F
Tensile Yield		6344 psi
Tensile Strength		7126 psi
Elongation		5%
Flame Spread	ASTM E84	0
Smoke Development	ASTM E84	10
Flash Point		811°F
Self-Ignition Temperature		837°F
Fire Testing – 1 Hour	ASTM E119	Passed**
Fire Testing – 2 Hours	ASTM E119	Passed**

**Wall assembly specific.

Testing was conducted on a vertical lab specimen; final system applications is the responsibility of the design team.

Please refer to our website at www.dryvit.com for the most up-to-date Product Data Sheets.

NOTE: All Dryvit Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

DS1008/1023

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