

HIGH PERFORMANCE BUILDING SOLUTIONS

DOWSIL™ Contractors Concrete Sealant and DOWSIL™ Contractors Weatherproofing Sealant

**Trusted high-performance silicone sealing
for projects like yours**



“We use CCS on tilt-up windows and doors and CWS for general purpose applications like finish perimeter beads. Both products are **relatively economical**, are very **high-quality** and have great colorfastness. A lot of times, guys in the field tend to be resistant to new products; but my crew **immediately liked the field application characteristics** of CCS and CWS. My superintendent really likes them because they have **long tooling times** and good workability. For me, I like the **great adhesion** to unprimed substrates, the high quality of the product and the price. When CCS was first introduced, I saw an immediate opportunity to use it for restoration work: It’s very **cost-effective**, has **excellent service life** and has great color retention. Both CCS and CWS are great finish caulks.”

Alex Rojas
 Owner and President
 Tru-Proof, Inc.
 Miami, Florida, USA

“We install over a million feet per year ... our bread and butter is tilt-up windows. We just started using both CCS and CWS about six months ago and began prepping our customers for the change six months before that. We tested both products thoroughly and are **very happy with the results**. They’re great for customers who don’t need the 20-year warranty that comes with Dow’s premium silicone sealants. I have recommended CCS and CWS over non-silicone sealants on projects because I felt they would perform better.”

Kal Zam
 Owner
 F.J. Zam Company
 Santa Fe Springs, California, USA

Silicone sealing: Economy plus trusted performance

For small- to mid-size commercial building projects, remedial work or building restoration projects, Dow offers DOWSIL™ Contractors Concrete Sealant and DOWSIL™ Contractors Weatherproofing Sealant. These versatile silicone sealants are competitively priced with other types of sealants commonly used for such work to ensure economical sealing to meet budget requirements. Specifically formulated for different application needs, each of these silicone sealants offers long-term weathering resistance, high-strength sealing durability, and trusted high performance in challenging climates and environmental conditions.

Whether you’re an architect, specifying engineer or contractor, the last thing you want is a dissatisfied building owner with a sealant failure callback. Depending on your project type, get trusted silicone sealing performance and protect your quality reputation. Specify DOWSIL™ Contractors Concrete Sealant and DOWSIL™ Contractors Weatherproofing Sealant.



After 100 days (2,400 hours) of UV exposure in accelerated weathering and heat-stability tests, a silicone sealant retains good adhesive strength without cracking or shrinking, unlike some organic sealants.

Value-added benefits ensure long-term savings

Available in a range of popular package sizes – including cartridges, sausages and pails – DOWSIL™ Contractors Concrete Sealant and DOWSIL™ Contractors Weatherproofing Sealant offer economy, with market-competitive costs compared to organics. Yet, while the price is competitive, the performance is exceptional. You can rest assured that you’re giving your clients the best possible return on their investment.

With more than 60 years as a global leader in silicone technology and innovation, Dow offers a selection of DOWSIL™ Silicone Sealants for high-performance buildings. These proven effective silicone sealants helped set the industry standard for long-term weatherproofing excellence. Key performance benefits help to ensure sealing integrity, protect the building investment and deliver excellent life-cycle value. These sealants:

- Are inherently water-repellent
- Remain flexible over a wide temperature range
- Are virtually unaffected by ultraviolet (UV) light, ozone, snow and rain
- Maintain adhesion even while being stretched or compressed
- Will not chalk, crack or split the way organic sealants do
- Are formulated specifically to resist tearing
- Have a life expectancy that is typically three times longer than the life expectancy of many organic sealants being used in the same applications

Sealants designed for the structures you're building and sealing today

Dow developed DOWSIL™ Contractors Concrete Sealant and DOWSIL™ Contractors Weatherproofing Sealant to meet the specific performance requirements of small- to mid-size commercial building projects, such as schools, churches, warehouses, strip malls, and low-rise apartment buildings, condominiums and office complexes.

These sealants are suitable for both new and remedial applications and are especially valuable for resealing buildings where non-silicone sealants may have failed.

“Many buildings are spec'd with lower-quality sealants, and we will often ask for a change to either DOWSIL™ Contractors Concrete Sealant or DOWSIL™ Contractors Weatherproofing Sealant, depending on the project. Like anybody, we're in business to stay in business. And, with the performance advantages these economical DOWSIL™ Silicone Sealants have on our smaller new construction or restoration projects, it's a no-brainer. We trust these high-performance silicone sealants to do the job better at a competitive cost.”

Laurence Cote

Owner, Bradcan Caulking & Restoration, Inc.
Edmonton, Alberta, Canada



DOWSIL™ Contractors Concrete Sealant

- One-part, neutral-cure, 100% silicone
- Low-modulus; minimal bondline stress
- ±50% movement capability; handles thermal expansion and contraction with ease
- Outstanding unprimed adhesion to concrete and masonry, including brick
- Ideal for sealing building joints that experience extreme movement, including tilt-up and other concrete and masonry wall joints, and Exterior Insulation and Finish System (EIFS) joints



DOWSIL™ Contractors Weatherproofing Sealant

- One-part, neutral-cure, 100% silicone
- Medium-modulus; balanced adhesive strength with good recovery
- ±40% movement capability
- Unprimed adhesion to EIFS and many nonporous substrates, including glass and aluminum
- Excellent for sealing dynamically moving joints and EIFS, and for frame-to-structure and perimeter weathersealing



Performance benefits extend beyond market-competitive price

Lower installed cost – longer service life

Installed, DOWSIL™ Contractors Concrete Sealant and DOWSIL™ Contractors Weatherproofing Sealant might cost you even less than typical organic sealants. That's because less silicone sealant usually is required. The width-to-depth ratio for silicones is 2:1, compared with a higher-volume 1:1 ratio for organics. Another cost saver is the range of primerless options the two products represent. DOWSIL™ Contractors Concrete Sealant and DOWSIL™ Contractors Weatherproofing Sealant can save you both time and money.

The truth about sealant paintability

While silicone sealants are known for their long life and excellent weather resistance, various organic sealants have a reputation for paintability. Unfortunately, if the paint lacks the sealant's movement capability, it's doomed to crack, peel and fall off as the sealant expands and contracts in response to changing temperatures.

Not only does cracking, peeling paint look bad, it also exposes the sealant underneath to the sun's damaging UV rays. For silicone sealants, UV exposure isn't a problem. But when certain organic sealants are exposed to UV radiation, they may begin to degrade, increasing the possibility of a leaking building, a dissatisfied owner and a costly callback or latent-defect issue.

Luckily, there is an alternative application method being used successfully to overcome paintability concerns. It's called "Paint and Seal," and it enables you to both paint your substrate and seal it with a long-lasting, weather-resistant silicone. You simply paint the building before you seal it. Application details are available online at dow.com/highperformancebuilding.

Silicones from Dow also cost substantially less to use over time because they have to be replaced less often. This point is especially important to building owners and facility managers, who are very concerned, not only about what a particular material is going to cost them today, but what it could potentially cost them in the future if it fails and has to be replaced or repaired.

Popular color choices, no-mix convenience

DOWSIL™ Contractors Concrete Sealant comes in seven standard colors (white, gray, aluminum, charcoal, black, bronze, precast white). DOWSIL™ Contractors Weatherproofing Sealant comes in 20 standard colors (white, limestone, gray, window bronze, sandstone, aluminum, antique white, charcoal, black, bronze, precast white, off-white, ivory, buff, mountain fog, anodized aluminum, sandalwood, geographic beige, redwood tan, light bronze) and 19 additional special colors. Custom colors are available as well.

Plus, you can use DOWSIL™ Contractors Concrete Sealant and DOWSIL™ Contractors Weatherproofing Sealant, as supplied, right out of the pail. No color packs to add. No mixing. No mess.

For more information and availability, contact your Dow representative or distributor, or visit dow.com/highperformancebuilding.



All-weather performance and gunnability

Non-silicone or typical organic sealants work best in moderate climates. The colder it gets, the less flexible they become. These types of sealants become stiff and difficult to apply in cold weather.

Unlike organics, DOWSIL™ Contractors Concrete Sealant and DOWSIL™ Contractors Weatherproofing Sealant maintain their flexibility in high- and low-temperature environments. These silicone sealants gun easily from -20 to 120°F and provide good initial adhesion and green strength. Your crews can keep moving forward, on time and on budget, year-round.

Fast tack-free time

Some non-silicone sealants remain tacky for 24 hours or more, which increases the possibility of a sealant surface becoming contaminated with dust and dirt. But DOWSIL™ Contractors Concrete Sealant and DOWSIL™ Contractors Weatherproofing Sealant are generally tack-free in an hour or less, reducing the likelihood of dirt pickup.

Weatherproofing specifications

To make DOWSIL™ Silicone Sealants easier to specify, Dow has prepared specifications, which are also available electronically. For a comprehensive specifications binder, downloadable files or specs on CD, contact your Dow sales representative or distributor or access the information available at dow.com/highperformancebuilding.

Warranted peace of mind



Dow backs DOWSIL™ Contractors Concrete Sealant and DOWSIL™ Contractors Weatherproofing Sealant with a 5-Year Weatherseal Limited Warranty. So, whether you're an architect, specifier or contractor, you can recommend and use these sealants with confidence.

The choices you need

DOWSIL™ Contractors Concrete Sealant and DOWSIL™ Contractors Weatherproofing Sealant are designed to give you higher-performing, economical silicone alternatives to organic sealants in small- to mid-size building projects.

- If you need high movement and primerless adhesion to concrete or masonry, including brick, choose DOWSIL™ Contractors Concrete Sealant.
- If you need good movement and primerless adhesion to EIFS or nonporous substrates including glass and aluminum, choose DOWSIL™ Contractors Weatherproofing Sealant.

If you're working on a high-profile building with special movement, structural glazing, aesthetic or long-term warranty needs, or if you need extensive technical support, consider one of Dow's premium silicone sealants.



Dow gives you choices. This table will help you decide which product is right for you.



DOWSIL™ Silicone Sealants selection guide

Dow gives you a choice of trusted silicone sealants to help meet your high-performance building needs. This table will help you select the right DOWSIL™ Silicone Sealant for the job. For more information and technical resources, visit dow.com/highperformancebuilding.

	DOWSIL™ Contractors Concrete Sealant (CCS)	DOWSIL™ Contractors Weatherproofing Sealant (CWS)		DOWSIL™ 756 SMS Building Sealant	DOWSIL™ 790 Silicone Building Sealant	DOWSIL™ 791 Silicone Weatherproofing Sealant	DOWSIL™ 795 Silicone Building Sealant
Recommended use	Economical, high-performance weatherproofing	Economical, high-performance weatherproofing		Premium weatherproofing for aesthetically sensitive substrates	Premium weatherproofing	Premium weatherproofing	Premium structural glazing, glazing, weatherproofing
Description	One-part, low-modulus , neutral-cure, 100% silicone sealant	One-part, medium-modulus , neutral-cure, 100% silicone sealant		One-part, medium-modulus , neutral-cure, 100% silicone sealant	One-part, ultralow-modulus , neutral-cure, 100% silicone sealant	One-part, medium-modulus , neutral-cure, 100% silicone sealant	One-part, medium-modulus , neutral-cure, 100% silicone sealant
Key features	High movement capability; low bondline stress; outstanding unprimed adhesion to most porous substrates, including concrete block, poured and precast concrete, tilt-up concrete, brick, mortar, grout, plaster and ceramic tile; primer generally required on EIFS and metal	Balanced adhesive strength with good recovery; unprimed adhesion to glass, alodine and anodized aluminum, EIFS, vinyl, plastics and many paints; primer generally required on concrete and masonry		High movement capability; reduces long-term residue rundown on metal panels and reflective glass; reduces staining on sensitive porous substrates, such as granite, sandstone, marble, travertine and limestone; unprimed adhesion to most glass, brick, granite, alodine aluminum, stainless steel and most fluoropolymer coatings, including Kynar	Exceptionally high movement capability; low bondline stress; outstanding unprimed adhesion to granite, most concrete and masonry, including brick and ceramic tile, and most glass; primer generally required on EIFS and non-porous substrates	High movement capability; outstanding tear strength; excellent unprimed adhesion to a wide variety of construction materials and building components, including granite, most glass, alodine and anodized aluminum, steel, plastics, most paints and fluoropolymer coatings, including Kynar	High movement capability; structural glazing as well as weatherproofing capability from a single product; excellent unprimed adhesion to a wide variety of construction materials and building components, including EIFS, granite, alodine and anodized aluminum, most glass, plastics and many paints, including most Kynar
Primary applications	Sealing tilt-up and other concrete and masonry wall joints, and EIFS joints	Sealing dynamically moving joints such as expansion and control and EIFS joints; frame-to-structure and perimeter weathersealing		Sealing expansion and control, metal panel and curtainwall joints, and joints between natural stone; perimeter weathersealing around window frames	Sealing expansion and control, precast concrete panel, EIFS, curtainwall and mullion joints, stone pavers and many other high-movement construction joints	Sealing expansion, connection, perimeter and other movement joints	Structural and nonstructural glazing; structural attachment of panel systems; panel stiffener applications; weathersealing most common construction materials
Durometer hardness, ASTM D412, Shore A	15	25		30	15	30	35
Ultimate tensile strength, ASTM D412, psi	100	140		200	100	120	180
Ultimate elongation, ASTM D412, %	1,600	550		1,200	1,600	460	500
Movement capability, ASTM C719, %	±50	±40		±50	-50/+100	±50	±50
Peel strength, ASTM C794, pli	25	25		25	25	30	32
Staining, ASTM C510	No staining on concrete and masonry, including brick	No staining on concrete and masonry, including brick		No staining/migration on granite, limestone, sandstone and white marble	No staining on concrete, granite, limestone, masonry and many marble substrates	No staining on granite and limestone	No staining on concrete, granite, limestone, masonry and many marble substrates
ASTM C920 Classifications	Type S, Grade NS, Class 50, Uses T, NT	Type S, Grade NS, Class 35, Uses NT		Type S, Grade NS, Class 50, Uses NT	Type S, Grade NS, Class 50/100, Uses T, NT	Type S, Grade NS, Class 50, Uses NT	Type S, Grade NS, Class 50, Uses NT
Volatile organic content, g/l	22	35		75	39	46	28
SWRI validation	Yes	Yes		Yes	Yes	Yes	Yes
Free technical support	Basic	Basic		Comprehensive	Comprehensive	Comprehensive	Comprehensive
Warranties available	Weatherseal Limited Warranty ¹	Weatherseal Limited Warranty ¹		Weatherseal Limited Warranty ¹ Non-Staining Limited Warranty ²	Weatherseal Limited Warranty ¹ Non-Staining Limited Warranty ²	Weatherseal Limited Warranty ¹ Non-Staining Limited Warranty ²	Weatherseal Limited Warranty ¹ Structural Adhesion Limited Warranty ² Non-Staining Limited Warranty ²
(Warranty period)	(5 years)	(5 years)		(20 years)	(20 years)	(20 years)	(20 years)
Standard, stocked colors	7	20		7	11	6	11
Special and custom colors available	Yes	Yes		Yes	Yes	Yes	Yes
Packaging	Cartridges, sausages, pails	Cartridges, sausages, pails		Sausages, pails	Cartridges, sausages, pails	Cartridges, sausages, pails	Cartridges, sausages, pails
Use-by date	12 months	12 months		12 months	12 months	12 months	12 months

Specification Writers: Please contact Dow, Midland, MI, before writing specifications on these products. | ¹Prior field adhesion testing required. |

²Prior lab testing by Dow required.

These are typical properties, not to be construed as specifications.

Dow: A name you can trust

Dow is the global silicone technology leader with more than 60 years of silicone experience. Across the construction industry, worldwide, Dow is known for high-performance products, consistent quality, global manufacturing capabilities, outstanding technical support and one of the best warranty programs in the business. It's a name you can trust.



For more information

Learn more about Dow's full range of High Performance Building Solutions – including our trusted, high-performance silicone sealants – by visiting us online at

[dow.com/highperformancebuilding](https://www.dow.com/highperformancebuilding). Here, you can:

- Download product data sheets and specifications
- Obtain instructions on how to use the Paint and Seal application method to address paintability issues
- Learn more about quantity pricing for special colors
- Request a free copy of our comprehensive Weatherproofing Specification Guide binder and CD
- Access services, learning opportunities (including AIA/CES Lunch and Learn programs) and technical support

Dow has sales offices, manufacturing sites and science and technology laboratories around the globe. Find local contact information at [dow.com/contactus](https://www.dow.com/contactus).



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