



DOWSIL™ Weatherproofing Product Line Overview



	DOWSIL™ Contractors Concrete Sealant (CCS)	DOWSIL™ Contractors Weatherproofing Sealant (CWS)	DOWSIL™ 756 SM 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, ultra-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
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® ¹	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® ¹	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® ¹
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 D-412, Shore A	15	25 ± 5	35	15	34	35
Ultimate Tensile Strength, ASTM D-412, psi	100	180	200	100	120	180
Ultimate Elongation, ASTM C-1135, %	1,600	550	1,200	1,600	460	500
Movement Capability, ASTM C-719, %	± 50	± 40	± 50	-50/+100	± 50	± 50
Peel Strength, ASTM C-794, pli	25	20 to 28	25	25	30	32
Staining, ASTM C-510	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 C-920 Classifications	Type S, Grade NS, Class 50, Uses T, NT, M, G, A, O	Type S, Grade NS, Class 35, Uses NT, M, G, A, O	Type S, Grade NS, Class 50, Uses NT	Type S, Grade NS, Class 50/100, Uses T, NT, M, G, A, O	Type S, Grade NS, Class 50, Uses NT, M, G, A	Type S, Grade NS, Class 50, Uses NT, M, G, A, O
Volatile Organic Content, g/L	22	35	22	24	31	28
SWRI Validation	Yes	Yes	Yes	Yes	Yes	Yes
Free Technical Support	Basic	Basic	Comprehensive	Comprehensive	Comprehensive	Comprehensive
Warranties Available	Weatherseal Limited Warranty ²	Weatherseal Limited Warranty ²	Weatherseal Limited Warranty ² Non-Staining Limited Warranty ³	Weatherseal Limited Warranty ² Non-Staining Limited Warranty ³	Weatherseal Limited Warranty ² Non-Staining Limited Warranty ³	Weatherseal Limited Warranty ² Structural Adhesion Limited Warranty ³ Non-Staining Limited Warranty ³ (20 years)
(Warranty Period)	(5 years)	(5 years)	(20 years)	(20 years)	(20 years)	(20 years)
Standard, Stocked Colors	11	22	6	12	7	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

¹Kynar is a registered trademark of Arkema, Inc.
²Prior field adhesion testing required.
³Prior lab testing by Dow required.

For more information, visit Dow’s website [dow.com/buildingscience](https://www.dow.com/buildingscience).

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