

CSL515 | Self-Leveling Industrial Sealant



Benefits

- Non-corrosive
- Resists moisture, vibration, and temperature extremes
- Excellent unprimed adhesion
- Easy to use and repair



www.cslsilicones.com

Industrial Sealants

As modern transport become faster, more reliable and more efficient, demands on materials become more exacting. Silicones meet these demands by delivering the strength, adhesion and durability needed in high-performance automobiles, recreational vehicles, ocean vessels, planes and spacecraft.

In virtually all types of new vehicles silicone sealants hold windscreens, sunroofs and windows in place with an airtight seal that stands up to extreme temperatures and harsh weather conditions, protecting people in the vehicle.

Why do silicones excel in industrial applications?

Silicone sealants possess inherent physical properties for industrial applications; silicones:

- are easy to use and repair
- have excellent electrical properties
- are flexible
- resist ultra-violet rays, ozone and weathering
- are non-corrosive
- are chemically resistant
- absorb mechanical shock and vibration
- are resistant to humidity, moisture and are water repellent
- have wide operating temperature range

CSL515 100% Silicone Self-Leveling Industrial Sealant

CSL515 is a one-part, moisture curing room-temperature vulcanizing 100% silicone sealant.

CSL515 resists weathering, moisture, vibration, ozone, ultraviolet and temperature extremes.

CSL515 is a low modulus and high elasticity sealant ideal for joints that experience movement.

CSL515 provides a permanently flexible bond or seal as well as excellent resistance to ageing, vibration and shock.

CSL515 remains flexible from -40°C to 200°C (-40°F to 392°F).

CSL515 does not generate corrosive by-products during cure, making it ideal for use in corrosion-sensitive assemblies with no adverse effects.

CSL515 is a self-leveling formulation ideal for filling small spaces.

CSL515 is an excellent OEM and aftermarket sealant/adhesive for use in vehicle manufacture and maintenance.

... CSL515 Product Characteristics ↗

CSL515 | Self-Leveling Industrial Sealant



Typical Applications

- Vehicle manufacturing and assembly
- Bonding automotive trim, headlight assemblies, plastic vent pipes, and fiber optic lighting
- General sealing and gasketing

Features

- No tooling required
- Non-corrosive
- Excellent unprimed adhesion to most substrates
- Low modulus and high elasticity
- Permanently flexible bond or seal
- Excellent resistance to ageing, vibration and shock
- Effectively fills small spaces



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CSL515 Intended Uses

CSL515 is designed particularly as an OEM or aftermarket product for the vehicle industry for sealing and gasketing, protection from moisture, humidity, and contaminants. CSL515 is particularly suitable for the Recreational Vehicle (RV) assembly and general industrial use where a self-leveling sealant/adhesive is required.

CSL515 Typical Properties[‡]

Cure System	One part RTV/Oxime
Flowability	Self-leveling
Extrusion Rate ¹ [g/min]	100
Cure Time at Standard Conditions ² [hours]	24
Tensile Strength ³ ASTM D412 [psi]	200
Hardness ³ ASTM D2240 [points]	14 Shore A
Elongation at Break ³ ASTM D412	500%
Tear Resistance (ASTM D624, Die B) [ppi]	25

[‡]Data is subject to change without notice. These values are not intended for use in preparing specifications. For more complete information, please refer to the current Technical Data Sheets for these products.

NOTES

- 1 Minimum extrusion rate @ 25°C (90psi, 3.2mm orifice)
- 2 Standard Conditions are 25°C (77°F) and 50% relative humidity
- 3 Cured for 7 days at Standard Conditions²

CSL515 Availability

Colors[¥]



Bright White 052

[¥]The color chips are only representations of actual colors and should not be considered an exact color match to finished product.

CSL515 is available in bright white; custom colors may be available upon request.

Complementary Formulations

Alternate viscosity formulations are also available.

Packaging

CSL515 is available in 300mL (10.2 fl. oz.) cartridges, 19L (5 US gallon) pails and 189L (50 US gallon) drums.

Shelf Life and Storage

CSL515 has a shelf life of twelve months from date of manufacture when stored in the original unopened container in dry, shaded conditions, away from sources of heat or ignition, and stored at or below 90°F (32°C).