



CL – SEALER 202MS

MODIFIED SILICONE SEALANT (Low Modulus)

DESCRIPTION

CL-SEALER 202MS is a one part moisture-cured elastomeric modified silicone joint sealant. Its high elongation and tensile properties gives superior performance as construction / expansion joint sealant for concrete / cement screed.

FIXES

For use for all sorts of joints such as building expansion joints, tile joints as well as window frame perimeter and the like. Suitable for use on mortar and concrete, metal, granite, marble, slates, ceramic, wood, aluminium, stainless steel epoxy and polyester panels, etc. Note: When use on Aluminium Cladding Wall Panels, to test on the suitability of use as some claddings have special coatings that compromise the adhesion of the sealant.

FEATURES

- Superior weathering and UV resistance
- Non-staining on adjacent substrates
- No air bubbling and no shrinkage
- Environmental friendly with low VOC
- Superior flexibility and high adhesion strength
- Paintable with flexible water based paint

CERTIFICATIONS

- TUV PSB Singapore

TECHNICAL INFORMATION

Appearance	: Paste
Density @ 25°C	: Approx. 1.54g/ml
Elongation at break (ASTM D412)	: >500%
Tensile Strength (ASTM D412)	: >1N/mm ²
Lap Shear Strength (ASTM D1002)	: >0.5N/mm ² (Al to Al)
Shore A hardness (ASTM C661)	: 25 - 35
VOC Content (USEPA Method 24)	: <10g/L
Movement Capability (ASTM C719)	: ± 50%
Cure depth (24 hr @ 23°C, 50%RH)	: Approx. 3mm
Service Temperature	: -30°C to 100°C
Application Temperature	: 5°C to 40°C
Drying time for painted over	: 2 – 4 hrs

Remarks : ASTM C920 compliant

COVERAGE

Width (A)	Depth (B)	Coverage (600ml)
6mm	6mm	15.15m
10mm	10mm	5.45m
20mm	10mm	2.73m
25mm	12mm	1.82m

Note: Coverage = volume of sealant / [(A x B) x 10% wastage]

- For joint width ≥ 12 mm, joint width-to-depth ratio is 2:1.
 - For joint width ≤ 12 mm, joint width-to-depth ratio is 1:1.
 - Joint width: minimum 6mm, maximum 35mm.*
 - Joint depth: minimum 6mm, maximum 12mm.
- *Sealing joints with larger joint width is possible but sealant may sag in vertical application.

APPLICATION

- **Surface Preparation**
Substrate's surface must be dry and clean; free of dirt, grease, oil or standing water. Clean the joint surface with xylene if surface is oily / dirty. Do not use detergent or soap solution.
- **Laying Backing Material**
To avoid three interface adhesion, lay a compressible bond-break backing material such as polyethylene or polystyrene foam which is 1-2mm wider than joint width.
- **Laying masking tape**
Lay masking tape onto the substrate next to the joint width area for protection purpose.
- **Priming**
For low grade of concrete or cement screed, use CL-Primer AP2. Apply CL-Primer AP2 by brush on joint surface at the rate of 0.15 – 0.2 kg per sq meter. Allow it to dry for 1 – 2hr. For other substrate, CL-Sealer 202MS can be applied without primer.
- **Filling**
Fill the sealant into the joint thoroughly and carefully so as not to involve air bubbles.
- **Tooling**
Immediately tool filled sealant thoroughly to make tight contact and flatten. Thereafter remove the masking tape directly.

LIMITATION

- Not recommended for constant water immersion, outdoor glass sealing, sealing substrates such as PE, PP, Teflon, Neoprene and bitumen.
- Not paintable with alkyd paints, oil based paints, chlorinated paints and any non-flexible paint.
- Not suitable for use on glass.

SHELF LIFE

12 months in unopened sausage. Store in cool dry area, away from sunlight and heat.

COLOUR

Available in white, grey and black.

PACKAGING

600ml sausage; 20 sausages / carton.



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Disclaimer: Specification are subject to change without notification.

CLP since 1947

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