

TECHNICAL DATA SHEET



CGSEAL MS 40

TDS No: CG-TDS-145, Date: JANUARY. 2015

Description:

CGSEAL MS 40 is a MS Polymer based single component moisture curing sealant and adhesive suitable for a wide range of industrial applications. It has excellent primerless adhesion to various types of substrates of dissimilar porosity and surface texture. It also can be over painted with most of the types of paints.

CGSEAL MS 40 is a technology that combines the unique features of silicone and polyurethane sealants. It is a moisture cure system adhesive sealant and "Non" bubbling when applied in high humidity or to moist substrates.

Features:

- ◆ High mechanical Bonding Strength
- ◆ Solvent, Isocyanate and PVC free
- ◆ Neutral, Odourless and fast curing
- ◆ Can be applied on wet surfaces
- ◆ Internal and External
- ◆ Environment friendly
- ◆ Excellent UV and weather resistance
- ◆ Less yellowing compared to PU and Non- staining

Uses:

Elastic Bonding and sealing for : Bus, Train, Trailers, Caravan, Yatch, Construction, Flooring, Metal Frames, Natural Stones, Aluminum, concrete, Fiber Glass

Typical properties:

Properties	Value
APPEARANCE	NON-SAGGING PASTE
SMELL	ODOURLESS
TACK FREE TIME @ 25 °C / 55% RH	20 MINS APPROX
SLUMP / FLOW (VERTICAL AND HORIZONTAL @ 5°C AND 50°C	0 (NO FAILURE)
SPECIFIC GRAVITY	1.39 +/- 0.05
HARDNESS (SHORE A)	40 APPROX.
STAINING AND COLOUR CHANGE	NO STAINING AND NO COLOUR CHANGE
ELONGATION AT BREAK	400 % APPROX.

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TENSILE AT BREAK	1.6 MPA APPROX
APPLICATION TEMP.	5°C TO 40°C
SERVICE TEMP.	-40°C TO 140°C

How to apply:

Substrates must be clean, dry and free from grease, dirt, oil, detergent and loose materials.

Cut tip off cartridge, cut nozzle to desired size at 45° angle. Screw nozzle onto cartridge. Insert cartridge into caulking gun. Push sealant ahead for uniform bead, Clean off excess sealant with toluene before dry.

Curing time:

CGSEAL MS 40 will form skin in approximately 20 minutes and it will cure to a depth of 4 mm in 24 hours. Longer curing time may be necessary in dry and low humid areas.

Storage: Material should be stored in a cool and dry place. Temperature of storage should between 5° C to 30° C.

Shelf Life:- Twelve month from date of manufacture.in above storage condition

Packing : 310 ml cartridge / 600 ml Sausage

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