

TECHNICAL DATA SHEET



CGSEAL 205 TMB

TDS No: CG-TDS-105, Date: JUNE. 2023

Description:

CGSEAL 205 TMB is a MS Polymer technology based sealant for elastic sealing and bonding of fixed window in bus body building. It is also suitable in wide range of industrial applications and has excellent primer less 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 205 TMB 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

Uses:

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

Typical properties:

Properties	Value	Test Method
APPEARANCE	VISCOUS BLACK PASTE	VISUAL
SMELL	ODOURLESS	VISUAL
TACK FREE TIME @ 25°C / 55% RH	25 MINS APPROX	TSK5507
SLUMP / FLOW (VERTICAL AND HORIZONTAL @ 5°C AND 50°C	0 (NO FAILURE)	ISO7390
DENSITY (gm/cm ³)	1.39 +/- 0.1	ASTM D1475
HARDNESS (SHORE A)	40 APPROX.	ASTM D 2240
ELONGATION AT BREAK	550 % APPROX.	ISO 37
TENSILE AT BREAK	1.8 MPA APPROX	ISO 37
APPLICATION TEMP.	5°C TO 40°C	
SERVICE TEMP.	-40°C TO 120°C	



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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 205 TMB will form skin in approximately 25 minutes and it will cure to a depth of 3 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

Note : The company's products are sold subject to the Company's standard terms and conditions of sale. Products are warranted against defective materials and workmanship. The company makes every effort to ensure that all the information, recommendations or the specifications provided by it are accurate and true. However as the company has no control over the conditions of use, it cannot accept any liability, either directly or indirectly regarding the usage of its products. Product specifications are subject to change without prior intimation to users as the products are being continuously upgraded.