



THE STRESS FREE BONDING



Proudly made in India

TECHNICAL DATA SHEET

ESSRBOND E-SEAL

CGSEAL/TDS/021Date : 1-11-2017

DESCRIPTION

ESSRBOND E-SEAL is a one part component, high performance sealant based on MS Polymer Technology. It is solvent, Silicone and isocyanate free and non staining for natural stones application. it has an excellent UV Weather and temperature resistance. it has excellent adhesion over a wide variety of substrates and is paintable for application to difficult substrates associated with modern facade construction.

FEATURES

- ◆ Fast Cure
- ◆ High Strength Adhesive Bond
- ◆ Excellent Adhesion To A Wide Variety Of Substrates
- ◆ Good Primer Less Adhesion On Many Common Construction Substrates
- ◆ Permanently Flexible
- ◆ No Shrinkage
- ◆ Non Staining Including Hydrophobic Staining
- ◆ High Movement Accommodation
- ◆ High UV And Aggressive Atmosphere Resistance
- ◆ Resistance To Aerobic And Bacteriological Attack
- ◆ Anti Fungus / Mildew Resistance
- ◆ Environmentally Friendly
- ◆ Excellent Low Temperature Gunnability



TECHNICAL PROPERTIES

PROPERTIES	RESULT
Curing Systems	Moisture Curing
Color	White
Density Approx.	1.54 g/ml
Skin Over Time	5 - 10 Min
Curing Time @ 23°C / 50 % RH	3 - 4 mm / 24 Hrs
Tensile Strength	Approx. 2.5 Mpa
Elongation at Break	Approx. 300%
Shore A Hardness	Approx. 50
VOC Content	< 3%
Application Temperature	5°C to 40°C
Service Temperature	-30°C to 100°C
Maximum Joint Width	50 mm
Movement Accommodation Factor	25%



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APPLICATION PRINCIPLES

It is specially formulated for structural joint that will be subjected to dynamic stresses. It is used for for making permanent high strength elastic bonding in construction, Automotive, Industrial and marine applications. ideal for bonding of metal (stainless. aluminum, mild steel. copper etc) Natural materials (Wood, Plywood, Leather, Cloths paperboard etc) & Inorganic (Concrete, Mortar, Natural stone, Tile, Glass, porcelain etc.) and plastics (Nylon, PVC, It can also be used to bond on wet surfaces even underwater)

SURFACE PREPARATION

Ensure that all surface are clean, dry, and free from all loose dirt, dust laitance, oil grease or any other contaminants, which may impair adhesion. metal surface should be cleaned and decreased.

SPECIFICATIONS

- ASTM C 920
- ASTM C 1248 for Non Staining
- Manufactured under ISO 9001

SAFETY PRECUATION

Uncured adhesive / sealant causes skin and eyes irritation upon contact

- ◆ Avoid contact with eyes, skin and mouth.
- ◆ In case of contact with eyes, flush with water immediately for 15 minutes. if irritation persists, seek medical attention.
- ◆ keep out of reach of children. Use in well ventilate areas.

STORAGE

Store In A Dry And Cool Place With Temperature Below +30° use Within

SHELF LIFE

12 month from date of manufacturing in unopened Condition.

PACKING

ESSRBOND E-SEAL is supplied in 120 g Tubes containing 42pcs in a box.



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.