



THE STRESS FREE BONDING



Proudly made in India

TECHNICAL DATA SHEET

ESSRBOND NAIL FREE

(High Tack MS Polymer Adhesive)

CGSEAL/TDS/008, Date : NOV - 2019

DESCRIPTION

ESSRBOND Nail Free is an instant grip adhesive sealant based on advance MS Polymer technology. The instant grab technology which eliminates the need for bracing, nailing, screwing and other fastening devices. It is Solvent, Silicone and Isocyanate Free and Non-staining for natural stones applications. It has an excellent UV, weather and temperature resistance. It has excellent adhesion over a wide variety of substrates and is paintable with most common industrial paints.

FEATURES

- ◆ Fast cure
- ◆ Excellent application characteristics
- ◆ 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 UV and aggressive atmosphere resistance
- ◆ Resist Bacteriological attack
- ◆ Environmental friendly
- ◆ Excellent low temperature gunnability

TECHNICAL PROPERTIES

PROPERTIES	RESULT
Base	MS Polymer
Curing System	Moisture Curing
Color	White
Density Approx.	1.54 g/cc
Skin Over Time	10 - 15 Min
Curing Time @ 23°C / 50%RH	3 - 4 mm / 24 Hr
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





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APPLICATION INSTRUCTIONS

- Ensure that all surface area clean, dry & free from all loose dirt, dust oil grease or any other containment. This may impair adhesion. Metal surface should be cleaned & degreased.
- The tip of the nozzle is cut according to the width of the surface and fixed to the applicator.
- The cartridge package is cut cap above thread and fixed to a suitable gun.
- The cap nut is screwed to the cartridge cylinder of the gun
- The joints should be filled at one time and without gaps during the application.
- Bond both the substrate before skin formation and allow it for drying.
- The opened packages should be consumed as quickly as possible.
- The contaminate areas and used tools should be cleaned with white spirit or alcohol within 10 minutes. It is cleaned only mechanically after cured.

STANDARDS

ESSRBOND NAIL FREE complies with ISO11600 F 20HM

- ASTM C 920
- ASTM C 1248 for Non Staining
- Manufactured under ISO 9001 & ISO 14001.

PRECAUTIONS



STORAGE

Store in a cool, dry place. Away from direct sunlight and moisture. Storage temperature to be below and 30°C.

SHELF LIFE

12 months from date of manufacture in above storage condition.

PACKING

ESSRBOND Nail Free is supplied in 310 ml plastic cartridge, 25 pcs packed in one 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.