



THE STRESS FREE BONDING



Proudly made in India

## TECHNICAL DATA SHEET

# ESSRBOND 789

CGSEAL/TDS/006, Date : NOV - 2019

(Weatherproof Construction Sealant)

### DESCRIPTION

ESSRBOND EB 789 is a one part weatherproof sealant suitable for sealing joints in concrete, ACP Panel, brickwork, block work, perimeter sealing around doors and windows.

### FEATURES

- ◆ No Shrinkage.
- ◆ Good Weatherability, It Is Virtually Unaffected By Sunlight, Rain, Snow, Ozone & Extreme Temperature
- ◆ Paintable
- ◆ Easy For Application
- ◆ Primer Less For Most Applications
- ◆ UV Resistant
- ◆ Color Stable
- ◆ Performs As An Acoustic Sealant
- ◆ Available In A Range Of Colors
- ◆ Environmentally Friendly
- ◆ Low Dirt Pick Up



### TECHNICAL PROPERTIES

PROPERTIES	RESULT	TEST METHOD
Color	Grey, Black, White Other color on request	Visual
Chemical Base	Hybrid Technology Polyurethane	-
Appearance	Non-Sag Smooth Thixotropic paste	Visual
Cure System	Moisture Curing	-
Skin Over Time	25 - 40 min	-
Tack Free Time	15 - 30 min	-
Density	1.3 to 1.4 (g/cc)	ASTM D 1475
Shore A Hardness	Approx. 20 - 30	ASTM D 2240
Tensile Strength	Approx. 0.7 Mpa .	ISO 8339
Elongation at Break	Approx 350 %	ISO 8339
Service Temperature	-30°C to 100°C	-
Application Temperature	+5°C to 40°C	-
Movement Accommodation Factor	25%	-



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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 from one edge and fixed to a suitable gun.
- The cap cut is screwed to the Cartridge cylinder of the gun
- The joints should be filled at one time and without gaps during the application.
- The surface of Sealant applied in the joints should be smoothened with a dampened spatula or by hand immediately before skin Formation.
- If used, the adhesive tape should be removed afterwards.
- 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.
- Joint width/depth ratio should be 2:1.

### COVERAGE

Joint Size (mm)	Liters/ Run Metre	Metre / 290ml Cartridge	Metre / 600ml Sausage
10 x 6	0.06	5.1	10.0
12 x 10	0.12	2.6	5.0
20 x 10	0.20	1.55	3.0
25 x 12	0.30	1.03	2.0
30 x 15	0.45	0.70	1.3

### PAINTING

ESSRBOND EB 789 may be over- painted with water based paints, however due to the large number of coatings available it is advisable to carry out a compatibility test before application. For alkyd paints a suitable water based undercoat must be used.

### LIMITATION

- ◆ Not suitable for water immersed conditions.
- ◆ Not suitable for contact with bituminous materials
- ◆ Not suitable for contact with solvents, oil or petrol
- ◆ Should only be over- coated with a compatible, flexible coating capable of accommodating the expected movement in the joint. Over-coating may reduce the movement capability of the sealant
- ◆ Confirm compatibility with coating if applied to painted surfaces



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### STANDARDS

ESSRBOND 789 complies with

- ASTM C 920
- Manufactured under ISO 9001 & ISO 14001

### HEALTH & SAFETY

Keep out of reach from children. Before handling, read both the product and material safety data sheet for detailed use and health information.

### STORAGE

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

### SHELF LIFE

12 Month from date of manufacturing in above storage condition

### PACKING

ESSRBOND 789 is supplied in 600ml Aluminum foil sausage 10 pcs packed in one box and 290ml plastic cartridge 25pcs 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.