

ShaliSeal EMS

Epoxy Modified Sealants



STP Limited

Description

ShaliSeal EMS (formerly known as ShaliEMS 700) is a two component, semi-rigid epoxy for filling control and construction joints in industrial concrete floors. This product supports the joint edges and reduces spalling of the edges caused by wheel traffic. **ShaliSeal EMS** has been designed for use under ACI 302, Section 4.10 recommendations for epoxy joint fillers.

Characteristics

Pot Life at 24 °C, minute	15	Specific Gravity	1.30 – 1.50
Compressive Strength, 72 hrs	210 kg/cm ²	Tack free time @ 24 °C, hrs	12
Tensile Strength, 7 days	46 kg/cm ²	Chemical Resistance after 72 hrs, 24 °C	Excellent Excellent Excellent
Elongation, 7 days, %	55 %		
Water Absorption after 72 hrs immersion	1.1 %		
Shore A Hardness	> 100		

Application

- Concrete construction and control joints in industrial floors
- Crack filler repair for old floors.

Advantages

- Semi-flexible formula that allows for limited temperature and humidity movement of concrete.
- Tough performance reduces floor joint repairs and maintenance.
- Suitable for filling cracks in older floors to reduce the rate of deterioration

Specifications / Compliances

ShaliSeal EMS is a semi flexible joint filler designed to comply with ACI 302 recommendations regarding control and construction joints.

Application Methodology

- Ensure that the groove to be treated is free from oil, grease, paints or any other contamination.
- Any dust or loose particles has to be removed by air pressure or by any other suitable method
- Grooves should be clean and dry prior to the application of **ShaliSeal EMS**.
- Masking tape has to be applied near the edge of the groove to get a straight neat finish.
- Mix component A and Component B separately. If settling is observed in the Comp A and Comp B, loosen the settled material with the help of hand stirrer followed by power driven stirrer for quick homogenous mixing. Mix Comp B gradually into the Comp A under continuous stirring.
- After ensuring a homogenous mix, pour the mixed material into the groove.
- Joints should be overfilled and immediately cut with a razor knife or ground flush with the floor. If **ShaliSeal EMS** has completely hardened, a heat flame may be used to soften the material for easier removal.
- **ShaliSeal EMS** requires no special curing instructions. The product will cure within 24 hrs of placement @ 21 °C. Lower temperature will slow the curing rate.

Cleaning

- Tools, equipment and general clean-up can be done with Xylene or Toluene

Limitation

- Based on ACI 302 recommendations, epoxy joint filler should be applied 3 to 6 months after construction, the later the better.
- Do not use **ShaliSeal EMS** as an expansion joint sealant.
- Use only at temperature above 4 °C
- Contact surfaces must be cleaned and dry.

Health & Safety

- The product should not come in contact with the skin and eyes, or be swallowed.
- Ensure adequate ventilation and avoid inhalation of vapours as some people are sensitive to resins, hardeners and solvents.
- Wear suitable protective clothing, gloves and eye protection.
- In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.
- If swallowed seek medical attention immediately - **do not** induce vomiting.

Packing

Available in 2¹/₂ kg Unit contains both hardener and resin packed in 15 kg carton.

Storage

Store in cool dry place, under the shed, away from heat.

Shelf Life

6 months in original unopened sealed condition.



Advisory Cell
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