



PolySeal EMS 2K

Two Component Epoxy Modified Sealant

DESCRIPTION

PolySeal EMS 2K is a two component, semi flexible epoxy joint sealant 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. PolySeal EMS 2K has been designed for use under ACI 302, Section 4.10 recommendations for epoxy joint fillers.

TECHNICAL DATA

Chemical Resistance After 72 hrs at 24 °C CaCl ₂ (10%) Caustic (10%) Muriatic Acid (10%)	Excellent Excellent Excellent	Pot Life at 24 °C	15 minutes
		Tack Free Time at 24 °C	12 hrs
		Compressive Strength 72 hrs	210 kg/cm ²
		Tensile Strength, 7 days	46 kg/cm ²
		Elongation, 7 Days	55%
Shore A Hardness	> 100	Water Absorption After 72 hrs immersion	1.10%

APPLICATIONS

- 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 joints repairs and maintenance
- Suitable for filling cracks in order to floor to reduce the rate of deterioration

APPLICATION METHODOLOGY

- Ensure that the groove to be treated is free from oil, grease, paints or other contamination
- Any dust or loose particles has to be removed by air pressure or by other suitable method
- Grooves should be clean and dry prior to the application of PolySeal EMS 2K
- Masking tape has to be applied near the edge of the groove to get a straight neat finish



- Mix Comp A and Comp B separately. If setting 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 homogeneous mixing. Mix Comp B gradually into the Comp A under continuous stirring. After ensuring a homogeneous mix, pour the mixed material into the groove. Joint should be over filled and immediately cut with a razor knife or ground flush with the floor. If PolySeal EMS 2K has completely hardened, a heat flame may be used to soften the material for easier removal. PolySeal EMS 2K requires no special curing instructions. The product will cure within 24 hrs of placement at 21 °C. Lower the temperature will slow the curing rate.

CLEANING AND MAINTENANCE

- Clean tools and equipments after use with Xylene or Toluene before the material hardens.

LIMITATION

- Based on ACI 302 recommendations, epoxy joint filler should be applied 3 to 6 months after construction. Do not use PolySeal EMS 2K as an expansion joints sealant
- Use only at temperature above 4 °C. Contact surface must be cleaned and dry.

HEALTH AND SAFETY

- Use mask, goggles and hand gloves during application. The product should not come in contact with the skin and eyes. 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 & seek medical advice. If swallowed seek medical attention immediately. Do not induce vomiting.

PACKAGING

Available in 1 ½ kg Unit packed in 12 kg carton.

STORAGE

Must be stored in original packing at ambient temperature, dry place under shed away from heat.

SHELF LIFE

If stored in original unopened sealed under the above conditions, it has a shelf life of 6 months.