

# KEM JOINT EMS

## Epoxy Modified Sealant

### Description

KEM JOINT EMS is a two component, semi rigid joint sealant based on epoxy resin. It is useful for sealing control and construction joints in industrial concrete floors. This protects the groove edges from the damaging caused due to wheel traffic.

### Uses

- Construction and control joint in industrial floors.
- Crack filler material for repairing old floor.

### Advantages

- ✓ Semi flexible product will help to withstand the limited movements in the concrete.
- ✓ Tough in nature reduces floor joint repairs and maintenance.
- ✓ Highly recommended for filling cracks in older floors to reduce the rate of deterioration.
- ✓ Excellent adhesion to concrete substrate.
- ✓ Can be used at temperature between 5°C to 45°C.
- ✓ No shrinkage ensures good sealing and bonding.

### Standards

- ACI 302

### Typical properties

- **Pot Life at 30°C** :30 - 40 minutes.
- **Specific gravity** :1.30 - 1.50 g/ml
- **Tack free time at 30°C** :10 hrs
- **Compressive Strength, 7 days** :20 Mpa
- **Tensile Strength, 7 days** : >5 Mpa
- **Elongation, 7 days** : > 10%
- **Water absorption after 72 hrs immersion:** Max.0.5%
- **Shore A hardness** : > 90
- **Chemical resistance after 72 hrs:**
  - ✓ **Sodium Chloride 10%:** Excellent
  - ✓ **Caustic 10%:** Excellent
  - ✓ **Hydrochloric acid 10%:** Excellent

### Direction for use

**Application** - Surfaces must be clean, dry and free from contaminants of paint, grease, corrosion

deposits and algae. Wire brush thoroughly to remove all contaminants and dust. The prepared sealing joints should be blown out with dry, oil-free compressed air. Masking tape must be applied near the edge of the groove to get a straight neat finish.

**Mixing** - Mix the entire hardener and base contents using hand or slow speed mechanical stirrer. (If the settling is observed in base & hardener parts then loosen the settled material and to be make it homogenous). After ensuring the homogeneous mix, pour the mixed material into the groove and topped up as necessary until the groove is completely filled.

**Curing** - No special curing is required. KEM JOINT EMS will air cure within 24 hrs of placement at 30°C.

### Packing

15 kg (Contains 2.5 kg x 6 units of both base and hardener)

### Self life & Storage

6 months in original unopened sealed condition. Store in cool dry place, under shade, away from direct sunlight.

### Cleaning

Tools and equipments clean - up can be done with Xylene or Toluene.

### Limitation

Do not use KEM JOINT EMS as a sealant for expansion joint.

Do not use KEM JOINT EMS if temperature below the 5 °C and above 45°C.

### Health and Safety

Uncured material should not come in contact with skin and eyes or be swallowed. Prolonged inhalation of the vapours must be avoided. Some People are sensitive to resins and hardener; therefore, protective gloves, goggles and barrier creams should be used. Ensure adequate ventilation and if working in enclosed areas, suitable breathing apparatus must be used. If mixed resin comes in contact with skin, it must be removed before hardening with a resin removing cream or soap, followed by washing with plenty of water. In case of accidental eye



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contamination, wash well with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately.

Do not induce vomiting.

#### Technical Service

Chembond has established itself in various fields based on its dependable technical service. For this purpose, we maintain a well-equipped laboratory for research & quality assurance of all products. Our experienced personnel are always on call and would always be available for product demonstrations and product performance monitoring.

#### Limitation of Liability

This information is based on our current level of knowledge. It is given in a good faith, but it is not intended to guarantee any particular properties. The users must satisfy themselves that there are no circumstances requiring additional information or precautions or the verification of details given herein.