

PRODUCT DATA SHEET

SUN EPOXY - CRA 0M1

Resin-based high strength crack repair, sealant and binder adhesive

Sun Epoxy Crack Repair is a two-component, high-strength, epoxy-based crack repair solution designed for structural repair of cracks in concrete. This product offers a pot life of 30 minutes, making it easy to work with while ensuring a long-lasting repair. The 3:1 mixing ratio ensures a strong bond with excellent adhesion properties, suitable for both interior and exterior use

USAGE APPLICATIONS

- Crack injection for concrete and masonry structures.
- Structural bonding of concrete, masonry, and steel elements.
- Repairing cracks in bridges, columns, beams, and slabs.
- Sealing of construction joints and filling of voids.

FEATURES & BENEFITS

- Fast Setting: 30-minute pot life, ensuring quick application.
- Easy Mixing Ratio: 3:1 by volume (Resin: Hardener).
- High Strength: Excellent bonding properties for durable repair.
- Versatile Use: Suitable for vertical and horizontal applications.
- Moisture Resistant: Effective in both dry and damp environments.
- Low Viscosity: Easy to inject into fine cracks.
- Long-lasting Durability: Resistant to chemicals, moisture, and weathering.

TECHNICAL SPECIFICATIONS

PROPERTY	DETAILS
Mixing Ratio	3:1 by volume
Pot Life	30 minutes at 25°C (77°F)
Application Temperature	5°C to 35°C (41°F to 95°F)
Curing Time	Initial: 3 hours, Full: 24 hours
Density	1.1 g/cm ³ (mixed)

Viscosity	Low viscosity (suitable for injection)
Bond Strength	> 25 N/mm ²
Compressive Strength	> 50 N/mm ²
Shelf Life	12 months in original packaging

COMPRESSIVE STRENGTH

Curing Time	Curing Temperature	Compressive Strength
1 day	15-35°C	> 40 N/mm ²
3 days	15-35°C	> 60 N/mm ²
7 days	15-35°C	> 80 N/mm ²
28 days	15-35°C	> 85 N/mm ²

All technical information provided in this Product Data Sheet is based on laboratory testing.
Actual results may differ due to factors beyond our control.

APPLICATION INSTRUCTIONS

- **Surface Preparation:** Ensure that the surface is clean, dry, and free of dust, oil, or other contaminants.
- **Mixing:** Mix Sun Epoxy Crack Repair in a 3:1 ratio by volume. Stir thoroughly for 3-5 minutes until a uniform consistency is achieved.
- **Application:** Apply the mixture into the cracks using an injection gun or trowel. Work quickly as the pot life is 30 minutes at room temperature.
- **Curing:** The product will set in approximately 3 hours, with full curing achieved after 24 hours. Avoid any stress or load on the repaired surface during this period.

PACKAGING

- Available in 4 kg, 12 kg, and 20 kg kits.

STORAGE & HANDLING

- Store in a cool, dry place, away from direct sunlight. Avoid contact with skin and eyes. Use protective gear such as gloves and goggles during handling. In case of contact with skin, wash immediately with soap and water. For eye contact, rinse with water and seek medical attention.

SAFETY PRECAUTIONS

- Refer to the product's Safety Data Sheet (SDS) for detailed information on handling and safety protocols.

CERTIFICATIONS AND COMPLIANCE

- Sun Epoxy Crack Repair is manufactured in compliance with international standards for quality and performance. The product adheres to ISO 9001 manufacturing guidelines, ensuring consistent quality in every batch.
- Additionally, it meets ASTM C881 standards for epoxy resin adhesives, guaranteeing its effectiveness for crack injection and repair applications.

QUALITY CONTROL AND MANUFACTURING STANDARDS

- At Sunlight Conchem, we maintain rigorous quality control processes throughout the production of Sun Epoxy Crack Repair. Our facilities are certified to ISO 9001 standards, and each batch undergoes thorough testing to ensure optimal performance, reliability, and consistency. This attention to detail ensures that our product meets the highest industry standards for epoxy-based repair solutions.

ENVIRONMENTAL IMPACT AND SUSTAINABILITY

- Sun Epoxy Crack Repair is designed with sustainability in mind. The product is low-VOC and solvent-free, making it safer for both the environment and the applicators.
- Additionally, its long-lasting durability reduces the need for frequent repairs, lowering overall material consumption and waste generation over time.

DISPOSAL AND RECYCLING INFORMATION

- Dispose of Sun Epoxy Crack Repair responsibly, in accordance with local environmental regulations. Any leftover product should be handled as chemical waste, while empty containers can be recycled after proper cleaning.
- Avoid pouring excess material into drains or water sources. For more information, consult the product's Safety Data Sheet (SDS).

LEGAL INFORMATION

- The information provided in this catalog is based on current knowledge and laboratory tests. Sunlight Conchem assumes no liability for improper use or application of the product. It is the user's responsibility to ensure that the product is suitable for their specific needs. Please refer to local regulations and safety guidelines when using Sun Epoxy Crack Repair. All sales are subject to our standard terms and conditions.
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