

Product Description

EPOXY-GEL-FLEX L.M. is a 100% solid, two-component epoxy which reacts even when moisture is present. Its gel consistency allows for thin or thick applications without running onto vertical surfaces or ceiling. This low modulus formulation is hard enough while allowing for structural movements.

Uses

- Filling cracks in walls, floors and ceiling
- Installation of injectors before injection work
- Repairs of concrete
- Anchoring
- Repair mortar (may be mixed with silica aggregates 1 to 1)

Advantages

- Ideal consistency for any repair work
- Flexible enough when cured to allow for slight structural movements
- Adheres well to concrete, wood and metals
- Tolerates moisture during installation

Physical Properties

Mixing Ratio : 1A : 1B by volume

Viscosity of mixture: Thixotropic gel

Life (100 g) : 20 minutes

Color : Grey

Initial setting time: 35 to 45 minutes

Coverage : Approximately
1000 cm³/ liter
(60in³)
(without aggregate)

Compression strength : 34 MPa (ASTM D-695)

41 MPa (ASTM C-109)

Modulus of compression : 620-900 MPa (ASTM D-695)

Elongation of the resin: 30% (ASTM D-638)

Hardness: 65 (ASTM D-2245)

Water Absorption (24h): <0.8% (ASTM D-570)

Thermal Compatibility: Meets the standard (ASTM C-884)

Shrinkage: Meets the standard (ASTM C-883)

Adherence to concrete: Fracture of concrete (ACI 503R-30)

Meets the standard ASTM C-881-90 type III, grade 3, classes B and C

Installation

Substrate and preparation

The temperature of the substrates should exceed 4°C.
Surfaces must be solid and free from any contaminant which may possibly impair adhesion.
Mechanical cleaning may be required in the case of contaminated surfaces.

Mixing

Stir part A and part B separately. Then mix 2 parts A with 1 part B at low speed until a uniform color is obtained. The product's mass as well as the temperature have both an effect on the global life of the product. It is important to do a test before using it and not mixing too much of the product at the same time.

Application

Install with a spatula or trowel. May also be pumped or injected

Packaging / Storage

7.5 liters unit

Store securely the product in a dry, heated and ventilated place; ideally do not put it directly on a concrete floor.

Precautionary measures

It is highly recommended to follow the usual safety and precautions rules related to the using of this product. In any time, ensure an adequate ventilation when using the product. Avoid any eyes or skin contact. In the case of eyes contact, wash with water and seek for some medical attention. In the case of skin contact, wash with water and soap. For industrial use only. Refer to the Material Safety Data Sheet.

Technical Services and Guarantees

For any assistance, please feel free to contact your KRYTEX products representative.
KRYTEX products are guaranteed to be free from manufacturing defects.
All information included in the present document are based on various tests that we believe to be reliable.
Since conditions during application are beyond our control, the supplier and/or manufacturer decline all liability at the exception of the replacement of materials proven to be defective.

Transportation class: TDG 8

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