

## Estofill 10(M)

### Free Flow Fast Setting High Performance Epoxy Resin

#### Description

**Estofill 10(M)** is a low viscosity, two-part epoxy resin compound. It consists of one part epoxy resin and one part of curing agent. It has high penetrability, and will cure in crack and cavities (wet or dry) with negligible shrinkage.

#### Uses

**Estofill 10(M)** is recommended for cracks and cavities repairs in concrete structures, masonry or bricks and as a binder for sawdust and other filler.

#### Advantages

- Low viscosity – high penetration
- Rapid cure with negligible shrinkage
- Suitable for injection grouting
- Excellent bond strength to steel reinforcement and concrete
- Achieved high early compressive and tensile strength
- Fill fine crack and cavity, wet or dry

#### Standards Compliance

#### Physical Properties

Mix density, kg/L	1.1 ± 0.05
Colour	White
Pot Life at 30 °C,	35 ± 5 mins
Viscosity, cps	300-600

#### Application Instructions

##### Horizontal Application

##### Preparation

A V-groove shall be formed along the crack lines before pouring with **Estofill 10(M)**. In the case of suspended slabs, the underside of the crack should be sealed with Estocrete WR to prevent leakage of the crack sealer through the slab.

##### Mixing

Mix Part A and Part B of **Estofill 10(M)** in a clean mixing vessel until a uniform mixture is formed. **Estofill 10(M)** shall be mix thoroughly to prevent lowering of properties.

##### Application

The mixed **Estofill 10(M)** shall be poured carefully into the crack lines/pre-form V-groove, allowing it to seep in, and keep adding in until it is full. Precaution shall be taken to ensure the crack lines/pre-form V-groove is clean/free from loose particles, debris, oil, grease etc.

##### Vertical Application

##### Preparation

Injection nipples shall be installed along the crack lines with Estocrete WR. Seal the expose crack lines with Estocrete WR. The injection nipples shall be placed 200-400 mm apart, depending upon the depth of crack. The deeper the crack that form, the closer the injection nipples shall be.

##### Application

As for horizontal application, mix the components thoroughly. The mixed **Estofill 10(M)** can be injected, either by well-fitting grease gun or by paint pressure pot. The injection process shall begin at the bottom-most nipple and injected until mixture exudes from the nipple above.

Remove the nipples and plug with appropriate tools.

In some cases, it may be necessary to seal the wall on the opposite side with Estocrete WR.

ESTOFILL SHALL NOT BE ADDED WITH WATER.

##### Cleaning

Tools, etc can be cleaned while the resin is still uncured with solvent cleaner.

##### Technical Support

Denka offers a comprehensive range of high performance, high quality of repair product for both new and existing concrete surfaces. In addition, the company offers a technical support package to specifies, end-users and contractors, as well as on-site technical assistance.

### Storage

**Estofill 10(M)** should be stored on pallets in dry conditions. Under these conditions, the product will have a shelf life of 12 months.

If stored in extreme heat locations the shelf life may be reduced.

### Packing & Size

<b>Estofill 10(M)</b>	25 kg/pack 300 kg/pack
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### Coverage

<b>Estofill 10(M)</b>	1 litre pack will fill a cavity of 25mm deep with 3mm wide for a length of approximately 13m
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### Precaution

**Estofill 10(M)** contains epoxy resins, which may cause skin sensitization in certain individuals. Skin contact should be avoided and a suitable barrier cream shall be applied or disposable rubber or plastic gloves shall be worn.

### Additional Information

**Denka Construction Solutions Malaysia Sdn Bhd** offers a wide range of complementary products, which includes waterstops, waterproofing products, grouts, anchors, specialized flooring products. In addition, a wide range of products formulated for repair and refurbishment of spalled concrete are available.



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