

ISONEM M 03 TECHNICAL DATA SHEET

Product Name	: ISONEM M 03
Type	: It is a cementitious, polymer modified, fiber reinforced, one component repair mortar for horizontal, vertical and overhead applications with high adhesion resistance.
Compressive strength (Mpa)	: ≥ 10 , CLASS R1
Chloride ion content (%)	: $\leq 0,05$
Adhesive bond (Mpa)	: $\geq 0,8$
Solvent	: Water
Flash Point (°C)	: N/A (not applicable)
Class of Fire Reaction	: CLASS A1
Consumption	: ~20 kg/m ² (for 1 cm thickness plastering) 1 kg (for filling 500 ml space)
Pot life (hour, 20°C)	: ~1
Color	: White and grey
Packaging	: 20 kg craft bag
Application Temperature (°C)	: 5 – 35
Storage Temperature (°C)	: 5 – 35
Storage Condition/Shelf life	: 24 months from production date, if stored dry condition
Application Tools	: Spatula or trowel.

USAGE AREA

- Fair faced concrete repairs
- Repairs of wall and ceiling
- Preparation of substrates before tile applications

SURFACE PREPARATION

The concrete must be premoistured, structurally sound, clean and free from dust, dirt, oil, grease, loose or friable particles other contaminants (such as paint etc.). ISONEM D 10 LATEX Super bonding layer is applied in order to increase adhesion and improve impermeability by brush and then the mortar is applied wet on wet to the surface.

APPLICATION METHOD

- **Mixing:**

Pour water in correct proportion into a suitable mixing vessel. Add powder, whilst stirring slowly. To avoid entraining too much air mix mechanically for at least 3 minutes, using low speed electric stirrer (max. 400 rpm) in order to maintain a homogeneous mortar. ISONEM D 10 LATEX also can be used in order to increase adhesion and improve impermeability by adding 1 kg D 10 LATEX + 3 lt water + 20 kg bag M 03.

- **Application**

ISONEM M 03 can be applied by wet spray equipment with spatula or trowel. The mortar is applied wet on wet to the ISONEM D 10 LATEX bonding layer. For thickness greater than 100 mm, ISONEM M 03 must be applied in several layers. As soon as the mortar has started to set it can be smoothed by wooden or synthetic float or a styrofoam block. For very fine surface finish, the application of ISONEM M 03-T is advised.

Please do not use more water than advised. Do not use the product below the allowed min. temperature so that the material completes the setting. The setting is slowed down under low temperatures and speeded up under high temperatures. Workability period also varies inversely depending on the temperature

FEATURES AND BENEFITS

ISONEM M 03 is a cementitious, polymer modified, fiber reinforced, one component repair mortar for horizontal, vertical and overhead applications with high adhesion resistance. ISONEM 03 can also be used in combination with ISONEM EP epoxy bonding agent for trafficed repairs.

- One component, it can be mixed with water only. Because of its thixotropic behavior, suitable for vertical applications
- Applicable in a layer up to 100 mm thickness.
- Non corrosive, non-toxic. Suitable for wet spray method