



# D 10 LATEX

Adherence Enhancer, It is a liquid that is applied by adding to the mortar or applying to the surface in the application of concrete, plaster, screed, cement-based insulation or ceramic, and add the adhesion strength, elasticity, and adherence - enhancing properties to the mortar. It bonds the old or new materials that will come together by forming a super sticky area on the surface applied and provides excellent adhesion. It prevents the formation of cold joints in concrete, plaster and screed applications. It is applied on humid or dry surfaces. It can be used as a primer on highly absorbent surfaces. **ISONEM D10 LATEX** increases mechanical strength when used as a primer to the surface prior to insulation. Thus, the insulation materials adhere better to the surface and do not flake and swell up. It provides an easy application of mortar by plastify the mortars in which it is used. Prevents rapid drying by increasing the water holding capacity of the mortar. Prevents shrinkage cracks. It increases the abrasion resistance of the mortar and prevents dusting in screed applications. Increases freezing and thawing resistance. Reduces oil and solvent permeability. Improves resistance to chemicals. **ISONEM D 10 LATEX** is a water-based, acrylic emulsion-based, single component.

## USAGE AREAS

- In all kinds of cement mortars,
- In plasters and screeds,
- In mortars of tiles and ceramic adhesives
- Repair mortars, cold joints,
- In places where needed adherence in concrete repairs
- In pre-plastering applications,
- To be used as a primer before waterproofing applications.

## APPLICATION INFORMATION

**Surface preparation** : The application surfaces should be dry or slightly humid. The moisturizing process should be done until the surface is full. All surfaces must be clean and all impurities that affect the adhesion like dirt, oil, sludge, rust, etc. should be removed. All layers that affect the adhesion like oil, dirt, paint, cement laitance, rust, and salt efflorescence should be cleaned.

**For adherence** : **ISONEM D10 LATEX** is applied to the surface with 200 mL/m<sup>2</sup> brush without thinning. The mortar or bonding process is done to on it immediately after application, when it is wet, in latest 30 - 40 minutes.

**For concrete and mortar additives**: It should be used by adding 1 kg/m<sup>3</sup> to the water of the mortar in the production of 1 m<sup>3</sup> concrete or mortar. In **ISONEM M 03** elastic mortars, approximately 1 L of **ISONEM D10 LATEX** should be added to a bucket (20 kg M 03) and then enough water should be added (3 L).

## TECHNICAL SPECIFICATIONS

- Density (25°C, g/mL) : 0,90 ± 0,10
- pH (25°C) : 7,0 - 9,0
- Viscosity (25°C, mPa.s) : 500 - 1500
- Solid content (% Weight) : 18 ± 2
- Water transmission rate (kg/ m<sup>2</sup>. h<sup>0,5</sup>) : < 0,1 CLASS W<sub>3</sub>
- Adhesion strength by pull-off test (N/mm<sup>2</sup>) : Crack bridging flexible systems without trafficking ≥ 0,8, with trafficking 1.5 N/mm<sup>2</sup>
- Permeability to water vapour (m) : 5 ≤ S<sub>D</sub> ≤ 50 CLASS II
- Solvent : Water
- Color : Transparent
- Product consumption : 200 mL/m<sup>2</sup> (for adherence), 1 L/m<sup>3</sup> (for additive)
- Paintable (Coverage) Area : For adherence min. 25 m<sup>2</sup> /5 L, for additive min. 5 m<sup>3</sup> /5 L

## PACKAGING & STORAGE

- Packaging : 5 L PE can
- Storage temperature (°C) : 5 - 35 °C
- Shelf life : 24 months from date of production if stored in original, unopened, undamaged packages.
- Storage condition : Store tightly closed in a dry and cool place.

### IMPORTANT

The surface should be protected from rain, water, mechanical loads and impacts for 24 hours during and after the application.

### APPLICATION CONDITIONS and RISKS

Things to consider during and after the application	The application surface must be clean and free from all impurities like dirt, oil, and mud. Apply without thinning. The application surface may be dry or slightly humid.
Other ISONEM products recommended	X
Application temperature	It should be applied between 5 - 35 °C.

### General Features

