

# ISONEM L

(Transparent Power)

### **Product Description**

ISONEM L is a next-generation transparent water insulation product with excellent adhesion to all surfaces, based on water-based pure acrylic. It is ready to use, UV resistant, glossy, and has an elastic structure. It is used as a waterproofing material on all types of surfaces such as concrete, ceramic, plaster, painted/unpainted surfaces, marble, glass, plastic, metal, tile walls, wood, etc. It is easy to work with and economical.

### **Usage Areas**

Suitable for use on any surface where transparent waterproofing is desired, including bathroom floors, joints, cracks, window edges, glass, painted walls, plaster, stone walls, wood, shingle, and tile roofs.

## **Technical Specifications**

Density (25°C, g/mL)  $1,00 \pm 0,10$ 

pH (25°C) 7.0 - 9.0

5000 - 10000Viscosity (25°C, mPa.s) Solid Content Ratio (Weight %)  $49 \pm 2$ 

Water transmission rate (kg/ m<sup>2</sup>. h<sup>0,5</sup>) < 0,1 CLASS W<sub>3</sub>

Adhesion strength through tensile testing Crack sealing or flexible systems  $(N/mm^2)$ Without traffic load ≥ 0,8

5 ≤ S<sub>D</sub> ≤ 50 CLASS II

Water vapor permeability (m) Touch dry 3 hours

**Full drying** 72 hours

Mixture life (23°C) Χ

Solvent Water Fire class D-s2 d0

Color Transparent

#### **Application Procedure**

The surface should be solid, and all surfaces should be cleaned of oil, dirt, and any other residues before application. After opening the packaging, it should be thoroughly mixed, and then applied directly in 2 coats with a brush, roller, or spraying gun without thinning. For surfaces such as sheet/metal, the surfaces should be primed with ISONEM Anti Rust Primer (Anti-corrosive Primer) with a consumption of 0.250-0.350 kg/m<sup>2</sup> before application.



**Application method:** ISONEM L is ready to use and should be thoroughly mixed in a homogeneous manner after opening the lid and before application. It is applied in 2 coats with a roller for glossy surfaces and with a brush and suitable sprayer for other surfaces. A waiting period of 4 hours is required between coats. The product is suitable for application between +5°C and +35°C temperatures.

## **Application Conditions / Limitations**

<u>Application</u> : In perpendicular coats

Surface humidity : Dry surface

For surfaces such as sheet/metal: ISONEM ANTI RUST PRIMER

(Consumption: 250 - 350 g/m<sup>2</sup>)

Primer consumption : X

Product usage : 2 coats

<u>Product consumption</u> : 0,2 kg/m² (for two coats application) The given

consumption values are approximate and may vary depending on the surface area and application

thickness.

Paintable (Coverable) Area : 1 L: 5 m<sup>2</sup> (two coats application)

Waiting time between coats : 4 hours

Recommended application tools : Roller (synthetic epoxy), brush, suitable spray

Application temperature : 5°C - 35°C

**Points to Note During Application:** The surface to be applied must be clean, free from substances such as dirt, oil, and mud. The color of the product is milky white when applied, but it turns transparent after the drying process. White color on the surface in thick applications is normal. Therefore, it should be applied by thoroughly blending into the surface without thick application.

#### **IMPORTANT**

Primer usage

The surface where the application is made must be protected from rain, water, mechanical impacts, etc., for 24 hours during and after the application.

#### **Packaging & Storage**

Packaging : 1 L PP bucket Storage temperature(°C) : 5 °C - 35 °C

Shelf life : If stored in original, unopened, and undamaged packaging, it is

suitable for use for 24 months from the date of production.



Storage conditions

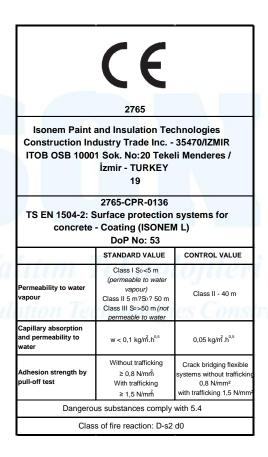
 Store in a dry and cool environment with the packaging lids tightly closed.

## **Equipment Cleaning**

Clean all tools and application equipment immediately after use with clean water.

## **Health and Safety Information**

For information and advice on the safe use, storage, and disposal of chemical products, users should refer to the latest Safety Data Sheet containing physical, ecological, toxicological, and safety-related data.



#### Statement of Responsibility

The technical information and application advice given in this ISONEM Paint & Insulation Technologies publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.











