



# ISONEM DS

## ( Transparent Floor Insulation Product )

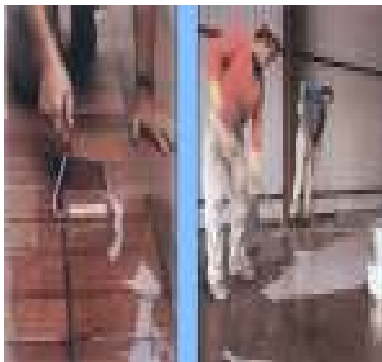


ISONEM DS is a one component, transparent penetrating non-yellowing protective sealer for concrete floors, waterproofing product for surfaces coated with glazed tile, ceramic, marble, granite, concrete and glass etc.

The product forms a transparent, elastic and uniform layer after drying. It is not affected from UV rays and external climatic conditions. ISONEM DS is used as a penetrating dustproof sealer for areas such as warehouses, storage facilities, car parks, garages, light industrial buildings etc.

It is resistant against wear and tear and is not affected from human or vehicle traffic. It is also resistant against various chemical substances.

It provides an ideal solution to the insulation related problems that occur particularly on surfaces such as balconies, terraces, bathrooms, and can be applied easily without damaging or distorting the coated areas. Moreover, it is applicable on the glass, bricks, wood, polycarbonate sheets and PVC based surfaces. The product has perfect adherence.



### USING AREAS :

- On concrete, plaster and aluminum surfaces
- On glazed tiles, ceramics, marble, granite, terra cotta, natural stone, travertine, pressed bricks
- On glass, glass tiles, mosaic and square mosaics
- On PVC, aluminum, wood, polycarbonate sheets
- On balconies, terraces, kitchens, bathrooms, and stone coated facades.

### ADVANTAGES :

- Easy to apply with brush, roller and air or airless spray.
- Good resistance to oils, grease and chemicals.
- Suitable for exterior exposure.
- Good resistance to abrasion.
- Available in clear glossy or matt finish.
- Non-yellowing.

### APPLICATION :

**Surface Preparation:** The surface must be sound, dry (maximum moisture content 4%) free from dust and any surface contaminants (eg. oil, grease, fats, chemicals, rust, paint, from release and curing membrane residues etc.)

As ISONEM DS is a thin coating any imperfections will be reflected through the finished coating. Blow holes or irregularities should be filled and the substrate levelled with the appropriate ISONEM Mortar products.

### Application :

**ISONEM DS** can be applied by roller, brush or sprayer. Application of the first coat (and possibly the second) should be carried out when the substrate temperature is falling to avoid the possibility of bubbling and to improve penetration into the substrate pores. Depending on the condition of the substrate 2 to 3 coats is recommended. After application of each layer, the product must be left to dry thoroughly. The freshly applied surfaces must be protected from dust, water or rain until the product becomes thoroughly dry.

**CLEANING :** Clean all tools immediately after use with Thinner. Hardened material can only be removed mechanically.

### TECHNICAL PROPERTIES

<b>Composition</b>	Acrylic Based
<b>Form</b>	One Part solvent based acrylic sealer
<b>Colour</b>	Clear
<b>Density</b>	1 gr/ml approx.
<b>Solids Content</b>	36% by weight
<b>Number of Coats</b>	2 to 3 normally
<b>Rate of Cure</b>	Tack Free 1 to 2 hours Recoat 2 to 4 hours
<b>Application Temperature Range</b>	+10°C to +40°C 85% maximum relative humidity
<b>Flash Point</b>	>24°C
<b>Theoretical DFT (Microns per coat)</b>	30 – 40

**CONSUMPTION :** 100-200 ml/m<sup>2</sup>

**PACKAGING :** 5 Lt. Metal Container

### IMPORTANT NOTES:

- Thinning of ISONEM DS is not recommended.
- Provide adequate ventilation.
- ISONEM DS is a combustible liquid.
- Store away from naked flames, sparks and heating.
- A full Material Safety Data Sheet is available from ISONEM on request.

**STORAGE AND SHELF LIFE:** Stored in the original sealed packaging at temperatures of between 5°C and 35°C, this product will keep at least 12 months.

### STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this ISONEM Construction Chemicals and Paint Ind. Tr. Ltd. Co. 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

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