

## TECHNICAL DATA SHEET

# ISONEM WRITE&ERASE VARNISH

(Writable Erasable Varnish)

### Product Description

WRITE & ERASE VARNISH, it is a water-based two – component varnish that allows you to use the desired surface as a whiteboard area with marker pens. Thanks to its transparent structure, it can be used in walls, desks, doors, cabinets, meeting rooms etc. converts it to a writable, erasable format without changing the color of the surface when applied. It is nature-friendly, does not contain VOC and solvent, it is extremely simple to apply. The paint and stains graffiti can be easily removed from the surface applied ISONEM WRITE & ERASE VARNISH. There is no other system that provides this easy cleaning and gives you the opportunity to clean the surface repeatedly without damaging the coating.

### Usage Areas

- Walls, desks, and tables of schools and classes
- Walls of meeting rooms, training and seminar halls,
- Walls of office rooms,
- Road walls,
- Walls of houses, hotels, conference halls,

### Technical Specifications

Density A comp. (25°C, g/mL)	: 1,00 ± 0,10
pH (25°C)	: 7,0 - 9,0
Viscosity A comp. (25°C, mPa.s)	: 0 - 500
Density A+B (25°C, g/mL)	: 1,00 ± 0,10
Viscosity A+B (25°C, mPa.s)	: 9500 - 12500
Solid content (% Weight)	: Not applicable (N/A)
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> )	: Rigid system without trafficking ≥ 1.0 N/mm <sup>2</sup>
Permeability to water vapour (m)	: 5 ≤ S <sub>D</sub> ≤ 50 CLASS II
Touch-free Drying	: 3 hours
Through-dry time	: 3 days
Pot life (23°C)	: 50 - 60 minutes
Solvent	: Water
Class of fire reaction	: B S1 d0
Color	: Transparent

### Application Procedure

**Surface preparation:** Application surfaces should be cleaned from all kinds of oil, dirt, dust and surface residues and must be completely dry and clean.

**Preparation of the mixture:** ISONEM WRITE & ERASE VARNISH is supplied in ready-to-use kits according to the mixing ratio. The mixture should be prepared to be applied according to the life of the mixture. Before commencing mixing, ensure that the material temperatures are between 15 - 25°C. Component A should be mixed thoroughly with a mechanical mixer at 300 - 400 rpm for 3 - 4 minutes without dragging air in it. Then, all component B must be poured into component A and make sure that there is no material left inside the B component. A + B should be mixed for at least 3 minutes until a homogeneous mixture is obtained and the prepared mixture should be consumed within 50 - 60 minutes.

**Application method:** ISONEM WRITE & ERASE VARNISH should be applied with the help of brush or roller in order to obtain the desired thickness. It should be applied as 2 or 3 layers and waited for 6 – 8 hours for each coat. Wait at least 3 days before writing/erasing. Text/drawings can be erased with a board eraser. Any non-removable stains need to be cleaned with a wet cloth, other cleaning materials should not be used like detergent, bleach, etc..

## Application Conditions / Limitations

<b><u>Application</u></b>	: In perpendicular to each layers
<b><u>Surface humidity</u></b>	: Dry surface
<b><u>Primer usage</u></b>	: X
<b><u>Primer consumption</u></b>	: X
<b><u>Product usage</u></b>	: 2 - 3 layers
<b><u>Product consumption</u></b>	: 200 - 300 g/m <sup>2</sup> (two layers)
<b><u>Paintable (Coverage) Area</u></b>	: 5 - 6 m <sup>2</sup> /set
<b><u>Between two coats</u></b>	: 6 - 8 hours
<b><u>Recommended application tools</u></b>	: Roller (synthetic epoxy), brush, suitable spray
<b><u>Application temperature (°C)</u></b>	: 5 - 35 °C

**Things to consider during and after the application:** The application surface must be clean and free from all impurities like dirt, oil, and mud. In spray application, once component A and component B have been combined, they should be diluted with water in a ratio of 3: 1 (3 parts A + B, 1 part water).

**Other ISONEM products recommended:** If the surface should be both magnetically bondable and writable & erasable, ISONEM MAGNETIC PLASTER is recommended before ISONEM WRITE & ERASE varnish application.

## IMPORTANT

The surface should be protected from rain, water, mechanical loads and impacts for 24 hours during and after the application. Make sure that the pen to be used is a whiteboard pen that can be erased. Erasability performance may vary depending on the type of pen used.

## Packaging & Storage


<b><u>Packaging</u></b>	: 1,5 kg set (Component A: 1 kg, Component B: 0.5 kg)
<b><u>Storage temperature (°C)</u></b>	: 5 - 35 °C
<b><u>Shelf life</u></b>	: 24 months from date of production if stored in original, unopened, undamaged packages.
<b><u>Storage condition</u></b>	: Store tightly closed in a dry and cool place.

## Cleaning of Tools

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

## Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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<b>Isonem Paint and Insulation Technologies Construction Industry Trade Inc. - 35470/İZMİR ITOB OSB 10001 Sok. No:20 Tekeli Menderes / İzmir - TURKEY 19</b>		
<b>2765-CPR-0135 TS EN 1504-2: Surface protection systems for concrete - Coating (WRITE &amp; ERASE VARNISH) DoP No: 40</b>		
	<b>STANDARD VALUE</b>	<b>CONTROL VALUE</b>
<b>Permeability to water vapour</b>	Class I $S_D < 5$ m (permeable to water vapour) Class II $5 \text{ m} \leq S_D \leq 50$ m Class III $S_D > 50$ m (not permeable to water)	Class II - 40 m
<b>Capillary absorption and permeability to water</b>	$w < 0,1 \text{ kg/m}^2 \cdot \text{h}^{0,5}$	$0,05 \text{ kg/m}^2 \cdot \text{h}^{0,5}$
<b>Adhesion strength by pull-off test</b>	Without trafficking $\geq 1,0 \text{ N/mm}^2$ With trafficking $\geq 2,0 \text{ N/mm}^2$	Rigid system without trafficking $1,0 \text{ N/mm}^2$
Dangerous substances comply with 5.4		
Class of fire reaction: B S1 d0		

### 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.

