

## TECHNICAL DATA SHEET

# ISONEM POOL

(Pool Paint)

### Product Description

Polyurethane Based, Two-component Pool Paint, it is the swimming pool paint which is polyurethane resin based, consisting of two components, blue in color. It is not affected by water and water pressure. ISONEM POOL is particularly very ideal to use in swimming pools, newly made decorative pools in the cases where the ceramic covering will not use. It gives a homogeneous blue appearance on the surface applied. It is elastic, not crack, it is not affected by the UV lights and the swimming pool chemicals. The product has high resistance against alkali and chloride. Its color does not fade in time, not destroyed underwater, abrasion-proofing. The workmanship is very easy and economic.

### Usage Areas

- In pools, water tanks, water tanks,
- In metal tanks and water cisterns,
- In ornamental ponds, ponds, dams, water channels,
- In the treatment and balance tanks,
- On concrete, plaster, and screed.

### Technical Specifications

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| Density A comp. (25°C, g/mL)                                     | : 1,25 ± 0,10  |
| pH (25°C)  | : Not applicable (N/A)                                       |
| Viscosity A comp. (25°C, mPa.s)                                  | : 1000 - 3000  |
| Solid content (% Weight)   | : 67 ± 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> )          | : Rigid system without trafficking ≥ 1.0 N/mm <sup>2</sup>   |
| Permeability to water vapour (m)                                 | : S <sub>D</sub> ≤ 5 CLASS I                                 |
| Touch-free Drying  | : 6 hours  |
| Through-dry time   | : 10 days  |
| Pot life (23°C)  | : 5 - 6 hours  |
| Solvent  | : Organic solvent  |
| Class of fire reaction   | : B fl S1  |
| Color  | : Blue. You can consult our company for other color demands. |

### Application Procedure

**Surface preparation:** The surface to be coated must be clean, dry and all impurities that can affect the adhesion like dirt, oil, loose paint or foreign material must be cleaned. Surface repairs, cracks, and gaps should be repaired with ISONEM M 03 Elastic Repair Mortar. Before the application, the surface should be primed with ISONEM EP PRIMER or ISONEM ANTI RUST PRIMER specified in the table below depending on the application surface.

**Preparation of the mixing:** To prepare ISONEM POOL for use, first stir the contents of the A Component (Paint) and then add the contents of the B Component (Hardener) and mix homogeneously for 3 - 4 minutes to ensure thorough mixing.

**Application method:** It should be applied with a brush, roller or appropriate spray and left to dry. The second layer should be applied after the first coat is dried, in 24 hours. The prepared mixture should be consumed in 5 - 6 hours. After the application, the pool should be left to curing 10 days, before filling water.

## Application Conditions / Limitations

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| <b><u>Application</u></b>                   | : In perpendicular to each layers  |
| <b><u>Surface humidity</u></b>              | : Dry surface  |
|   | <b>For concrete, marble, granite, tile, ceramic etc. surfaces:</b>   |
| <b><u>Primer usage</u></b>                  | : ISONEM EP PRIMER. <b>For metal/steel surface;</b> ISONEM ANTI RUST PRIMER (Consumption: 250 - 350 g/m <sup>2</sup> ) |
| <b><u>Primer consumption</u></b>            | : 0,250 - 0,400 kg/m <sup>2</sup>  |
| <b><u>Product usage</u></b>                 | : 2 layers   |
| <b><u>Product consumption</u></b>           | : 1 kg/m <sup>2</sup> (two layers)   |
| <b><u>Paintable (Coverage) Area</u></b>     | : min. 4,5 m <sup>2</sup> /set (two layers)  |
| <b><u>Between two coats</u></b>             | : 6 - 24 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. If ISONEM EP PRIMER Primer application will be, it should be waited for 1 day after the application.

**Other ISONEM products recommended:** In primer application, ISONEM EP PRIMER or ISONEM ANTI RUST PRIMER should be used depending on the application surface. ISONEM M03 elastic repair mortar should be used for filling cracks and gaps.

## IMPORTANT

The surface should be protected from rain, water, mechanical loads and impacts for 24 hours during and after the application. After the application, the pool should be left to curing 10 days, before filling water.

## Packaging & Storage


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| <b><u>Packaging</u></b>                | : 4,5 kg set (Component A: 4 kg paint, Component B: 0,5 kg hardener)                     |
| <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 away from heat and fire.                  |

## Cleaning of Tools

Clean all tools and application equipment with cellulosic thinner 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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| 2765   |  |   |
| <b>Isonem Paint and Insulation Technologies<br/>Construction Industry Trade Inc. - 35470/İZMİR<br/>ITOB OSB 10001 Sok. No:20 Tekeli Menderes /<br/>İzmir - TURKEY<br/>19</b> |  |   |
| <b>2765-CPR-0136<br/>TS EN 1504-2: Surface protection systems for<br/>concrete - Coating (POOL)<br/>DoP No: 32</b>   |  |   |
|  | <b>STANDARD VALUE</b>  | <b>CONTROL VALUE</b>  |
| <b>Permeability to water vapour</b>  | Class I $S_D < 5$ m<br>(permeable to water vapour)<br>Class II $5 \text{ m} \leq S_D \leq 50$ m<br>Class III $S_D > 50$ m (not permeable to water) | Class I - 4 m   |
| <b>Capillary absorption and permeability to water</b>  | $w < 0,1 \text{ kg/m}^2 \cdot \text{h}^{0,5}$  | $0,01 \text{ kg/m}^2 \cdot \text{h}^{0,5}$                  |
| <b>Adhesion strength by pull-off test</b>  | Without trafficking<br>$\geq 1,0 \text{ N/mm}^2$<br>With trafficking<br>$\geq 2,0 \text{ N/mm}^2$  | Rigid system<br>without trafficking<br>$1,0 \text{ N/mm}^2$ |
| Dangerous substances comply with 5.4   |  |   |
| Class of fire reaction: Bfl S1   |  |   |

### 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.

