

## TECHNICAL DATA SHEET

# ISONEM STREET PAINT

(Asphalt and Concrete Floor Paint)

### Product Description

ISONEM STREET PAINT, is acrylic based flexible floor coating with strong adhesion, excellent water resistance and UV resistance. It is water-based and one-component, can be produced in desired color. It is water-based and one-component, can be produced in the desired color, is not affected by human and vehicle traffic, dries quickly and is easy to work. It is very suitable for walking paths, asphalt pavements, tennis courts and sports fields. It is used to obtain dust free and decorative surfaces on asphalt, concrete and cement surfaces in indoor and outdoor.

### Usage Areas

- Garages and light traffic exposed to parking areas
- Walking paths, garden floors,
- On concrete or asphalt roads, parking areas,
- Tennis, basketball, volleyball court grounds
- Game and entertainment areas

### Technical Specifications

Density (25°C, g/mL)	: 1,40 ± 0,10
pH (25°C)	: 7.0 – 9.0
Viscosity (25°C, mPa.s)	: 9000 - 12000
Solid content (% Weight)	: 74 ± 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 with trafficking 1.5 N/mm <sup>2</sup>
Permeability to water vapour (m)	: 5 ≤ S <sub>D</sub> ≤ 50 CLASS II
Touch-free Drying	: 2 hours
Through-dry time	: 72 hours
Pot life (23°C)	: X
Solvent	: Water
Class of fire reaction	: B S1 d0
Color	: All requested can be produced in colors

### Application Procedure

**Surface preparation:** Substrate must be clean, dry. Surfaces should be cleaned with water wait for the dry. Surface must be washed with water and then application should be made before drying totally. Surface defects and voids should be repaired with ISONEM MS MORTAR with a thickness of 5 mm. All surfaces to be treated ISONEM Universal Primer (1: 7 diluted with water - 1 part primer, 7 part water) primed with the adhesion promoter. The main application should be started after the primer application is waited to dry between 4-6 hours.

**Application method:** ISONEM STREET PAINT is ready to use. It is mixed homogeneously with the help of a mixer in the bucket for 5 minutes and applied to the surface in two coats with a brush, roller or suitable spray gun, the waiting time between the coats is at least 4 hours. In the application with the sprayer, homogeneous distribution and penetration of the application on the surface are provided by brush or roller after application.

## 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><u>Primer consumption</u></b>	: ISONEM UNIVERSAL PRIMER (diluted)
<b><u>Primer consumption</u></b>	: 100 - 200 g/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 application)
<b><u>Paintable (Coverage) Area</u></b>	: min. 18 m <sup>2</sup> /bucket (two layers application)
<b><u>Between two coats</u></b>	: 4 hours
<b><u>Recommended application tools</u></b>	: Roller (synthetic epoxy), brush, spray
<b><u>Application temperature (°C)</u></b>	: 5 - 40 °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.

**Other ISONEM products recommended:** ISONEM MS MORTAR repair mortar should be used for surface repair and ISONEM UNIVERSAL PRIMER should be used as primer application.

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## IMPORTANT

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

## Packaging & Storage

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<b><u>Packaging</u></b>	: 5, 10, 18 kg PP in buckets
<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.


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## 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 İTOB OSB 10001 Sok. No:20 Tekeli Menderes / İzmir - TURKEY 19</b>		
<b>2765-CPR-0136 TS EN 1504-2: Surface protection systems for concrete - Coating (STREET PAINT) DoP No: 44</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 $\geq 0,8 \text{ N/mm}^2$ With trafficking $\geq 1,5 \text{ N/mm}^2$	Crack bridging flexible systems with trafficking $1,5 \text{ N/mm}^2$
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.

