



# DIAMOND PAINT

**ISONEM DIAMOND PAINT** is a special interior and exterior paint which is a water-based, long-lasting, flexible and solid structured, dirt and stain-repellent, washable/wipeable, resistant to all weather conditions, bright and has vivid colors. Thanks to its bright structure, it does not require any extra application such as polish or varnish. It is harmless to health and environmentally friendly. It does not swell and spill, has high covering power and provides a permanent decorative appearance on the interior and exterior of the buildings with glossy and vibrant colors. Thanks to its UV resistance, its colors preserve the vitality and brightness of the first day. It is resistant to moisture and water, and has high alkali and chemical resistance.

## FEATURES

- It is odorless and environmentally friendly, does not contain VOCs and solvents.
- It has high elasticity, does not crack.
- Water and moisture resistant, washable.
- Provides a decorative appearance with vivid and bright colors.
- It has high covering power.

## USAGE AREAS

It is used as a bright interior and exterior coating and paint on the exterior and interior facades of buildings, all kinds of walls, jambs, wood and metal surfaces with antirust primer.

## Application Procedure

**Surface preparation:** The surface must be firm, clean and dry. All surfaces should be cleaned from oil, dirt and all kinds of residues before application. **ISONEM DIAMOND PAINT** product itself should be diluted with 200% water and used as a primer on concrete, plastered, previously painted walls (1 kg **DIAMOND PAINT**, 2 kg Water). The prepared primer is fed to the surface with a stiff brush. After the primer application, it should be left to dry for at least 1 hour. Before application on surfaces such as sheet/metal, the surface should be primed with **ISONEM Anti Rust Primer** (Anticorrosive Primer) with consumption of 0.250 - 0.350 kg / m<sup>2</sup>.

**Application method:** **ISONEM DIAMOND PAINT** is ready to use, it can be used by diluting with 10% water if a smooth appearance is desired in interior and exterior applications, and should be used without dilution for textured appearance. It is applied on the primed surface in two layers with a brush, roller or a suitable sprayer. Waiting time between coats is at least 4 hours.

## TECHNICAL SPECIFICATIONS

- **Density (25°C, g/mL)** : 1,20 ± 0,10
- **pH (25°C)** : 7,0 - 9,0
- **Viscosity (25°C, mPa.s)** : 9500 - 10500
- **Solid content (% Weight)** : 50 ± 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 without trafficking ≥ 0,8, with trafficking 1.5 N/mm<sup>2</sup>
- **Permeability to water vapour (m)** : 5 ≤ S<sub>D</sub> ≤ 50 CLASS II
- **Solvent** : Water
- **Color** : All requested can be produced in colors
- **Product consumption** : 200 - 500 g/m<sup>2</sup> (2 Layers, It may vary depending on the nature of the application surface and the pattern roll to be applied.)
- **Paintable (Coverage) Area** : 10 kg: 20 - 50 m<sup>2</sup>/ bucket (Two layers application)  
18 kg: 36 - 90 m<sup>2</sup>/ bucket (Two layers application)

## PACKAGING & STORAGE

- **Packaging** : 10 kg and 18 kg PP in buckets
- **Storage temperature (°C)** : 5 - 35 °C
- **Shelf life** : 24 months from date of production if stored in original, unopened, undamaged packages.
- **Storage condition** : Store tightly closed in a dry and cool place.



## IMPORTANT

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

## APPLICATION CONDITIONS and RISKS

<b>Things to consider during and after the application</b>	The application surface must be clean and free from all impurities like dirt, oil, and mud.
<b>Other ISONEM products recommended</b>	In the primer application, the product itself or ISONEM ANTI RUST PRIMER should be used depending on the application surface.
<b>Application temperature</b>	It should be applied between 5 - 35 °C.

## General Features



	CONCRETE	MARBLE, GRANITE	RAW WOOD	TILE, CERAMICS	MEMBRANE, SHINGLE	STEEL, METAL
<b>Application</b>	in the same direction as the first	X	in the same direction as the first	X	in the same direction as the first	in the same direction as the first
<b>Surface Humidity</b>	Dry Surface	X	Dry Surface	X	Dry Surface	Dry Surface
<b>Application Tools</b>	Roller, brush, spray	X	Roller, brush, spray	X	Roller, brush, spray	Roller, brush, spray
<b>Primer Usage</b>	ISONEM DIAMOND PAINT (Diluted)	X	ISONEM DIAMOND PAINT (Diluted)	X	ISONEM DIAMOND PAINT (Diluted)	ISONEM ANTI RUST PRIMER
<b>Primer Consumption</b>	100 - 200 g/m <sup>2</sup>	X	100 - 200 g/m <sup>2</sup>	X	100 - 200 g/m <sup>2</sup>	250 - 350 g/m <sup>2</sup>
<b>Product Usage</b>	2 Layers	X	2 Layers	X	2 Layers	2 Layers
<b>Product Consumption</b>	0,2 - 0,5 kg/m <sup>2</sup> ( 2 Layers. )	X	0,2 - 0,5 kg/m <sup>2</sup> ( 2 Layers. )	X	0,2 - 0,5 kg/m <sup>2</sup> ( 2 Layers. )	0,2 - 0,5 kg/m <sup>2</sup> ( 2 Layers. )
<b>Primer Consumption</b>	4 Hours	X	4 Hours	X	4 Hours	4 Hours
<b>Product Usage</b>	1 - 2 Hours	X	1 - 2 Hours	X	1 - 2 Hours	1 - 2 Hours
<b>Product Consumption</b>	72 Hours	X	72 Hours	X	72 Hours	72 Hours

Note : Drying times are approximate data, it may vary depending on ambient conditions.

