



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 / m².

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/ m². h^{0.5})** : < 0,1 CLASS W₃
- **Adhesion strength by pull-off test (N/mm²)** : Crack bridging flexible systems without trafficking ≥ 0,8, with trafficking 1,5 N/mm²
- **Permeability to water vapour (m)** : 5 ≤ S_D ≤ 50 CLASS II
- **Solvent** : Water
- **Color** : All requested can be produced in colors
- **Product consumption** : 200 - 500 g/m² (2 Layers, It may vary depending on the nature of the application surface and the pattern roll to be applied.)
- **Paintable (Coverage) Area** : 5 kg: 10 - 25 m²/ bucket (Two layers application)
10 kg: 20 - 50 m²/ bucket (Two layers application)
18 kg: 36 - 90 m²/ bucket (Two layers application)

PACKAGING & STORAGE

- **Packaging** : 5 kg, 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

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	In the primer application, the product itself or ISONEM ANTI RUST PRIMER should be used depending on the application surface.
Application temperature	It should be applied between 5 - 35 °C.

General Features

%100 Water Isolation

B S1 d0 Fire Class

Fast Drying

Decorative

Elastic Structure

UV Resistance

Erasable



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

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

