ISONEM MAGNETIC PAINT

(Magnet Stickable Paint)

Product Description

ISONEM MAGNETIC PAINT is a dye type that can be sticked on surface materials such as picture back having magnet, poster without any damage to dye thanks to its metal in the structure, is water-based high fusible power, easily dried, resistant to friction, non-changing dye and has high performance. Without using any nail, band, screw or sticker, it can be hold on any surface such as wall or wooden like picture, poster. As it is water-based, it has no fragrance and no damage to human health. Although ISONEM MAGNETIC PAINT creates magnet effect, it has no damage to computer monitor, mobile phone, television, credit card and atm card.

Usage Areas

- Interior walls, schools, hospitals, shopping centers, offices, conference halls, studios.

Technical Specifications

Density (25°C, g/mL)	:	1,57 ± 0,10
pH (25°C)	:	7.0 – 9.0
Viscosity (25°C, mPa.s)	:	12500 – 13500
Solid content (% Weight)	:	70 ± 2
Water transmission rate (kg/ m^2. $h^{0,5}$)	:	< 0,1 CLASS W_3
Adhesion strength by pull-off test (N/mm^2)	:	Crack bridging flexible systems without trafficking ≥ 0,8
Permeability to water vapour (m)	:	5 ≤ S_D ≤ 50 CLASS II
Touch-free Drying	:	3 hours
Through-dry time	:	72 hours
Pot life (23°C)	:	X
Solvent	:	Water
Class of fire reaction	:	B S1 d0
Color	:	Black

Application Procedure

Application surface must be smooth, steady and dust-removal. Before using ISONEM MAGNETIC PAINT, the least two minutes, it must be mixed and it can be applied by using roll and scrub. As increasing magnet feature of surface, it should be applied the least 3 thick layers. The least 30-40 minutes between layers applied should be waited. After these operations, any water based dye on it can be applied.

Application Conditions / Limitations

Application	:	In the same direction as the first layer
Surface humidity	:	Dry surface
Primer usage	:	X
Primer consumption	:	X
Product usage	:	2 – 3 Layers
Product consumption	:	1 kg/m²
Paintable (Coverage) Area	:	**5 kg:** 5 m² /bucket **10 kg:** 10 m² /bucket **18 kg:** 18 m²/bucket
Between two coats	:	30 minutes
Recommended application tools	:	Roller, brush, spray
Application temperature (°C)	:	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.
Other ISONEM products recommended: -

IMPORTANT

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

Packaging & Storage

Packaging	:	5,10,18 kg in PP bucket
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.

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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19

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TS EN 1504-2: Surface protection systems for concrete - Coating (MAGNETIC PAINT)
DoP No: 61

	STANDARD VALUE	CONTROL VALUE
Permeability to water vapour	Class I S_D<5 m *(permeable to water vapour)* Class II 5 m≤S_D≤ 50 m Class III S_D>50 m *(not permeable to water*	Class II - 40 m
Capillary absorption and permeability to water	w < 0,1 kg/m^2.h^{0,5}	0,05 kg/m^2.h^{0,5}
Adhesion strength by pull-off test	Without trafficking ≥ 0,8 N/mm^2 With trafficking ≥ 1,5 N/mm^2	Crack bridging flexible systems without trafficking 0,8 N/mm²
Dangerous substances comply with 5.4		
Class of fire reaction: B S1 d0		