ISONEM® ANTI-FIRE PAINT

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Fire Retardant Top Coat Paint

Fire retardant, non-flammable paint. It is an interior fire paint which forms a seamless layer by drying on the surface on which it is applied. It has excellent flame retardant properties. Flame retardant in direct contact with fire. Resistant to fire. Water based, solvent free. Elastic, unaffected by movements. It can be easily applied to dry or slightly Humid surfaces. It is water impermeable but water vapor permeable. Thanks to this feature, It does not prevent the breathing of the surface. It doesn't keep dirt for long years via its special formula. It is suitable for use in wood, concrete, prefabricated and steel structures.

USAGE AREAS

- All kinds of plastered, painted and unpainted interior and exterior surfaces
- Concrete, wood and steel structures· In roofs, in fire steps
- In all places where flammability is desired
- In schools, kindergartens, hospitals, theaters, and theaters
- Plasterboard wall partitions and ceilings
- Thermal power plants and industrial buildings, factories
- Military facilities

TECHNICAL SPECIFICATIONS

Type : Water-based, single comp.
Permeability to water vapour (m) : 5≤ sD ≤ 50, CLASS II
Tensile strength (N/mm2, 23°C) : 2
Elongation at break (%, 23°C) : 50
Water Transmission Rate (kg/ m^2. $h_{0,5}$) : ≤ 0.1, CLASS W_3
Density (25°C, g/mL) : 1.40 ± 0.1
Solid Content (% Weight) : 76 ± 2

ACCORDING TO THE TEST RESULT OF TSE EXPERIMENT AND CALIBRATION CENTER PRESIDENCY EX LABORATORY

Reaction of the experiment sample to fire in EN 13501-1 B (in accordance with the European classification) test method: PASSED
In the test method according to the TS EN ISO 11925-2 of the experiment sample,

- **Ignition of samples :** DID NOT OCCUR
- **Experiment sample just :** MELTED
- **Early termination of the experiment :** DID NOT OCCUR
- **Filter paper :** DID NOT BURN
- **Smoke spread from the sample into the room:** DID NOT OCCUR
- **Dripping of samples :** DID NOT OCCUR
- **Fire particles or drops f <10s and f >10s :** DID NOT OCCUR
- **150 mm measuring line during the flame test period :** DID NOT REACH
- **Lateral fire spread on the longitude :** DID NOT OCCUR
- **Sample deterioration or denture :** DID NOT OCCUR

SUMMARY OF TSE TEST RESULTS

- **Average FIGRA value (W/s) :** 17,24
- **Average THR600s (MJ):** 0,93
- **Value of average SMORA (m^2/s^2) :** 10,58
- **Burning drops/particles > 10s:** DID NOT OCCUR
- **Average TSP600s (m) :** 51,86
- **Up to LFS line (mm) :** DID NOT OCCUR
- **Burning drops/particles ≤ 10s :** DID NOT OCCUR

RESULT : ISONEM ANTI FIRE PAINT " fireproof paint " test on TS EN 13823: MARCH 2010 standard in TS EN ISO 11925-2 on 02.2012 / 139921 as a result of the test and the test result TS EN 13501-1 / JANUARY 2010 Table B Complies with S1 class d0 criteria.

APPLICATION METHOD

Surface Preparation : Before application, the surfaces must be clean, free of grease, dirt, mud and shield particles.
The surface should be primed with a suitable primer. The surface must be dry before application.
It should be mixed homogeneously before use.
Application Method : It can be made with a brush, roller or a suitable sprayer. It is applied in one or two layers without diluting.
CONSUMPTION : 0,5 kg/m^2 (1-2 layers)
COLOR : Can be produced in all colors.
PACKING : 18 kg PE bucket. Min 36 m^2 / 1 bucket (1-2 layers)
STORAGE : 24 months in original, unopened package, cool and dry environment

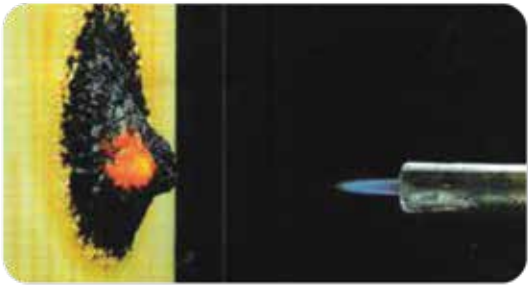
IMPORTANT
The surface should be protected from rain, water, mechanical loads and impacts for 24 hours during and after the application. Use on top of ISONEM ANTIFIRE PAINT PLUS for best performance.

Fire Delays
B S1 d0 Fire Class
Hygienic, does not contain harmful substances
Fast Drying

Surface Floor	Concrete	Marble, Granite	Raw wood	Tile & Ceramic	Membrane, Shingle etc.	Steel & Metal
Application	Perpendicular to each layers	X	In steep layers	X	Perpendicular to each layers	Perpendicular to each layers
Surface Humidity	Dry /Slightly Humid	X	Dry /Slightly Humid	X	Dry /Slightly Humid	Dry /Slightly Humid
Application Tools	Roller(synthetic epoxy), brush, spray	X	Roller(synthetic epoxy), brush, spray	X	Roller(synthetic epoxy), brush, spray	Roller(synthetic epoxy), brush, spray
Primer Usage	ISONEM UNIVERSAL PRIMER (1: 7 diluted with water,1 part primer, 7 part water)	X	ISONEM UNIVERSAL PRIMER (1: 7 diluted with water,1 part primer, 7 part water)	X	ISONEM UNIVERSAL PRIMER (1: 7 diluted with water,1 part primer, 7 part water)	Epoksi Shop Primer/Antirust
Primer.Conspt	100 - 200 gr/m^2	X	100 - 200 gr/m^2	X	100 - 200 gr/m^2	Consult Manufacturer
Product Usage	1-2 Layers	X	1-2 Layers	X	1-2 Layers	1-2 Layers
Product.Conspt	0,5 kg/m^2(1 Layer)	X	0,5 kg/m^2(1 Layer)	X	0,5 kg/m^2(1 Layer)	0,5 kg/m^2 (1-2 Layers)
Betw.Two.Coats	4 Hours	X	4 Hours	X	4 Hours	4 Hours
Application	24 Hours	X	24 Hours	X	24 Hours	24 Hours

Application Conditions and Risks

Things to consider during and after the application	The application surfaces must be clean and free from dirt, oil, rust etc..
Applicable temperature	Between +5 and +35°C
ISONEM products for surface preparation	For Concrete and Painted Surfaces: ISONEM Universal Primer should be used as primer application.The information on consumption and through-dry time depend on manufacturer instructions for Epoxy Shop Primer or Anti Rust Primer.
Application recommendation	ISONEM Anti-Fire Paint Plus should be applied as an intermediate layer.



Finishing

" Our products are not classified by Biocidal Products Regulation "