

TECHNICAL DATA SHEET

ISOFIN-P ANTI FIRE PAINT

(Fire Retardant Paint)

Product Description

- All kinds of plastered, painted and unpainted interior and exterior surfaces
- Concrete, wood and steel stuctures

Usage Areas

- All kinds FIGRA value (Wle): 17.24
- Average THR600s (MJ): 0.98
- Value of average SMORA (m²/s): 10.58
- Average TSP600s (m): 51.88
- Up to LFS line (mm): DID NOT OCCUR
- Burning dropsipartides ≤ 10s: DID NOT OCCUR
- Burning dopsiparticles > 10s: DID NOT OCCUR

SUMMARY OF TSE TEST RESULTS

RESULT

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

Technical Specifications

Density (25°C, g/mL)	: 1.40 ± 0.10
pH (25°C)	: 7.0 – 9.0
Viscosity (25°C, mPa.s)	: 12500 - 15000
Solid content (% Weight)	: 76 ± 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	: 1 hour
Through dry time	: 72 hours
Pot life (25°C)	: X
Solvent	: Water
Class of the reaction	: S1 d0
Color	: All requested can be produced in colors

Application Procedure

Surface preparation It is used as protective topcoat on surface which is applied ISOFIN-P ANTIFIRE PAINT PLUS. ISOFIN-P ANTIFIRE PAINT is applied single layer with 0.5 - 0.5 kg/m² consumption for topcoat application. If it is desired to be used as a flame retardant, surfaces should be clean before application, there be cleaned from impurities like dirt, oil, rust and, shied particles should be cleared. The appropriate primer selection for surface is made according to the following table. ISOFIN-P UNIVERSAL PRIMER (1: 7 diluted with water - 1 part primer, 7 part water) insulation and paint primer should be applied one layer with 100 - 200 g/m² consumption. The primer is then allowed to dry for 4 hours. The appropriate amount of product should be used depending on the type of surface according to the table following the table.

Application method: It can be made with a brush, roller, or a suitable sprayer. The product should be mixed homogeneously before use and applied on the surface in two coats without reconstitution at 4 hours intervals.

Application Conditions / Limitations

Application	: In perpendicular to each layers
Surface humidity	: Dry surface For concrete, raw wood, membrane, shingle etc. surfaces: ISOFIN-P UNIVERSAL PRIMER (diluted)
Primer usage	: For metalisteal surface; ISOFIN-P ANTI RUST PRIMER (Consumption: 250 - 350 g/m ²)
Primer consumption	: 100 - 200 g/m ²

ISOFIN-P®

Boya ve Yalıtım Teknolojileri İns. San. Tic. A.Ş.
Paint and Insulation Technologies Construction Industry Trade Inc.

 2765		
ISOFIN-P Paint and Insulation Technologies Construction Industry Trade Inc. - 55670 İZMİR İTOB OSE 10001 Sok. No 20 Tekeli Menderes / İzmir - TURKEY 19		
2755 CPR 0135 TS EN 15042: Surface protection systems for concrete - Coating (ANTI-FRE PAINT) DOP No. 05		
	STANDARD VALUE	CONTROL VALUE
Formaldehyde vester vapour	Class 10, 2, 3, 4, 5 Emisyon sınıfı 0, 1, 2, 3, 4, 5 Class 1 to 5 Class 10, 2, 3, 4, 5 Emisyon sınıfı 0, 1, 2, 3, 4, 5	Class 1 - 40 m
Coating description and characteristics	100 g / m ² / 100 g	0,15 g / m ² / 100 g
Adhesion strength by pull off test	Minimum adhesion ≥ 2,5 MPa Minimum adhesion ≥ 1,0 MPa	Minimum adhesion ≥ 2,5 MPa Minimum adhesion ≥ 1,0 MPa
Dangerous substances comply with S.4		
Class of fire reaction E S1 00		

Statement of Responsibility

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