ARVESOL 911 ANTIFIRE PAINT

Intumescent Paint

PRODUCT DESCRIPTION

This is a waterborne intumescent coating developed for use on structural surfaces such as concrete, wood, and steel. During a fire, it expands to form a protective insulating layer that delays heat transfer to the substrate, providing fire resistance for up to 120 minutes depending on the applied thickness.

PRODUCT FEATURES

- **Excellent Surface Compatibility**: without cracking, flaking, or blistering.
- **Thermal Barrier Function:** during fire, ANTI-FIRE PAINT acts as a thermal barrier between the flame and the surface.
- **Extended Combustion Resistance:** Significantly prolongs the ignition and burning time of the underlying material.
- **Safe for Interior Use:** Its waterborne composition makes it ideal and safe for use on interior building surfaces.

AREA OF USE

Suitable for use on all types of walls, wood, and steel surfaces in both interior and exterior areas of buildings. Ideal for use in environments with elevated fire risk such as hospitals, schools, airports, and industrial facilities.

RECOMENDED APPLICATION

Surface preparation:

All surfaces must be thoroughly cleaned to remove moisture, dust, rust, and any residual old paint. Surface cracks should be repaired using a suitable filler. The substrate must be completely free of lime before application. For metal surfaces, a compatible anti-corrosion primer must be applied prior to coating. For other surfaces, the product may be diluted with water at a 1:1 ratio and used as a primer.

Surface Material		Recommended Primer
Metal Surface	:	Adolin Rapid Industrial Primer Adolin Indupox Epoxy Primer
Wood and Concrete Surface	:	Arvesol 911 Antifire Paint

Application:

Supplied ready to use; no thinning required. Apply to properly prepared surfaces using a roller or airless spray gun. Can be applied in multiple coats. Before applying a second coat, the surface must reach a minimum hardness of Shore D 50. A single coat should not exceed 1 mm in dry film thickness. Recommended wet film thickness is between 500–700 μm. Final topcoat (waterborne paint) should only be applied after full curing of the intumescent layer.

PRODUCT MIXING RATIO (BY WEIGHT)

Mixing Ratio:

The product is ready for use. Thinning will affect sag resistance and can delay drying times.

Thinner: Fresh water

Cleaning solvent: Fresh water

TECHNICAL INFORMATIONS

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Composition	:	Water based
Color	:	White
Appearance	:	Viscous liquid
Density (20°C)	:	1,35 kg/L
Viscosity	:	4500±500 Pa.s
pH	:	>7
Shore D Hardness	:	60
Solid Content (% W / W)	:	%66±3

FILM THICKNESS PER COAT

RECOMMENDED SPECIFICATIONS		
Wet film thickness	:	500-700 µm
Consumption	:	1,0-1,5 kg/m^2
Number of coats	:	2-3 coats

DRYING AND CURING TIME

DRYING TIMES at 23 ± 2°C %50 relative humidity		
Set-to touch Drying	:	6 hour
Dust-free Drying	:	1 hour

STORAGE AND PACKAGING INFORMATION

Packaging informations:

18 Kg Bucket.

Storage conditions:

It can be stored for 1 year in its unopened package in a cool and dry environment at a temperature of 5°C to 35°C, protecting from frost and direct sunlight.

CAUTIONS

Application Guidelines and Post-Application Precautions:

- Application should not be carried out if ambient temperature is below +0°C or above +35°C.
- After application, protect the surface until fully dry from rain, frost, pedestrian traffic, high humidity.

- Avoid heavy traffic on the surface for 24 hours following application.
- Do not wash or clean the surface until full curing is achieved, which takes approximately 4 weeks.

HEALTH AND SAFETY INFORMATION	Pay attention to the warnings indicated in the precautionary statements of hazards and safety precautions on the product packaging. The rules specified in the product safety data sheet must be observed. Contact your nearest health care provider in case of unexpected health problems.