

# GRADA FIREPROOF

Waterbased Intumescent Paint

Technical Data Sheet

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## Description

FIREPROOF is a water based fire resistant paint that designed for especially for concrete, wood, structural steel at interior and exterior locations. It creates an insulation layer that retard the heating of applied surface by expanding itself during a fire. It protects the surface up to 3 hours.

## Application Areas

- Interior and exterior wall, concrete, wood and steel in buildings.
- High risk of fire areas such as hospital, school, airports, factories.

## Feature and Benefits

- Ensures perfect integration with the substrate without cracking, blistering and flaking.
- When exposed to heat and flame, acts as a thermal barrier between the fire and the substrate.
- Fire retardant.
- Safely used in interiors due to the water based composition.

## Technical Information

Content	:Water
Color	:White or RAL colors
Appearance	:Viscous liquid
Density	:1,35 kg/L
Solid Content	:%66±3
Viscosity	:4500±500 Pa.s
pH	:>7
Shore D Hardness	:60
Thinning	:Ready to use
Consumption	: 0,5 kg/m <sup>2</sup> (2 coats)
Recommended Coat	:2-3 coats
Application Tools	:Roller / Airless Spray
Drying Time	:6 hours to touch
Fire Extension Period and EN 13381	:3 hours according to BS476, GOST and EN 13381
HS Code	:3209.10.00.00.11

## Preparation Of Substrate

Application surfaces should be clean off the rust, dirt and moisture. Old painted surfaces should be sanded and cleaned. Surface cracks must be filled with suitable pastes. Application surface must be clear off lime. Anti-corrosion primer is recommended on steel surfaces. Paint can be used as primer after diluted 1:1 ratio with water for other substrates.

## Application

Paint is ready to use. FIREPROOF is applied on the application surface with using a roller or airless spray machine. Multi layers application can be done. Next layer should be done after getting 50 Shore D hardness of first layer. Maximum film thickness is 1 mm. Recommended film thickness is 500-700 micron as wet. Water based top coat must be applied after getting full curing.

**Packaging** :18 kg bucket

**Shelf Life**: 12 months in original, unopened package

**Storage** : Store in dry area between +5°C and +35°C. Protect from heat, freezing and direct sunlight.

## Cleanup Information

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

## Cautions / Limitations

- Do not apply in freezing conditions or during precipitation.
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry.
- Do not use when air and surface temperatures are below +0°C and above +35°C.
- Avoid heavy traffic for 24 hours.
- Allow 4 weeks before washing

### GRADA YAPI KİMYASALLARI VE İNŞAAT MALZEMELERİ ÜRETİM SAN. TİC. A.Ş.

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or cleaning for full cure.

## **GRADA FIREPROOF**

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#### **Health and Safety**

Warning! Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person. Wash hands thoroughly after handling. Wear protective clothing, gloves, eye and face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations. Keep container closed when not in use. Keep out of the reach of children.

#### **Limited Warranty**

This product is subject to a written limited warranty which can be obtained free of charge from GRADA Company. Please contact with technical service department for further information and support.



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