

TECHNICAL DATA SHEET

1. DESCRIPTION

Zenova FP is a water-based intumescent paint which offers protection against fire for:

- Metallic structures;
- Wood, timber, framing structures, wood houses etc.;
- Spray polyurethane foam.

2. USAGE

Zenova FP intumescent paint is used as a fire protective coating. By applying, it forms a thermoresistant, non-flammable insulating layer.

Zenova FP is designed for use on: metal, wood, spray polyurethane foam etc.

Suitable for both interior and exterior, some exterior applications may need an approved top coat.

3. TECHNICAL DATA

STATE OF PRODUCT: HOMOGENEOUS PASTE

Aspect	Homogeneous, paste-like consistency
Colour	White, grey or any other colour
Density (g/cm ³); SR EN ISO 2811/1:2003+AC/2006	1.35 ± 0.05
Viiscosity Brookfield (cP); SR EN ISO 2555 : 2003	25,000 ± 5,000
Content of dry substance (%); SR EN ISO 3251:2003	70±5
Layer aspect	Uniform, continuous, elastic
Apparent complete drying (hours); SR EN ISO 3678:1999	Max. 24 h

STATE OF PRODUCT: LAYER (MEMBRANE)

Layer thickness (mm); SR EN 1849-1:2003	0.5
Specific mass for 1 mm layer thickness (kg/m ²); SR EN 1849-1:2003	0.450 – 0.550
Reaction to Fire	B - s2, d0 (BS EN 13501-1)
Flame Spread Index	10 (UL 723)
Smoke Developed Index	115 (UL 723)

4. APPLICATION TECHNOLOGY

Application of Zenova FP should be done by personnel trained for this type of work, with respect to the corresponding technical regulations.

Application should be done only in good atmospheric conditions (ambient temperature of minimum 10°C, acceptable ventilation and relative humidity of maximum 80%).

a) Preparation of the surface

The surfaces on which the intumescent paint will be applied on must be clean, dry and dust-free.

b) Zenova Primer can be applied on the prepared surfaces by brush, roller or by airless spraying.

The primer layer will dry in 1-2 hours, function of ambient temperature and humidity. Material consumption for the primer layer is 50 - 100 ml/m².

c) Application of Zenova FP intumescent paint should be done after complete drying of the primer.

Before application, the product should be homogenised thoroughly by mechanical mixing. Application is carried out by brush, roller or airless spraying.

Optimal fire protection is obtained by successive applications of two or more layers of product. Each following layer is applied after the drying of the previous layer.

Product consumption for one layer is 500 - 800 ml/m².

Total thickness of the protection layer (wet product) for wood, spray polyurethane foam: 0.5– 1.5 mm. For metals, check massivity factor.

Complete drying of one layer: 1- 24 hours or more, depending on humidity and temperature (circumambience).

Fire protection duration: between 1 - 3+ hours.

Wash tools with water after usage.

Suitable for both interior and exterior, some exterior applications may need an approved top coat.

Outdoor surfaces coated with Zenova FP and exposed to rain should be protected with a top Coat of another protective coating.

5. WORK SAFETY

Special measures of protection are not necessary, the product being non-flammable and non-dangerous.

6. PACKAGE. STORING. TRANSPORT

Zenova FP is packed in sealed PE buckets.

Store away from direct sunlight and preferably away from negative temperatures.

Storage temperature: 5-35°C.

7. SHELF-LIFE

Shelf-life is 36 months after production date.

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