

## STOFIRE FOAM

### DESCRIPTION

Fire-resistant intumescent coating, solvent-free. Delays the destructive effects of fire. Reacts to heat by forming a high-insulation barrier. Suitable for Applications polyurethane foam.

### FIELD OF APPLICATION

Fire protection that, due to its Euroclass certification, prevents flame propagation on elements where expanded polyurethane foam or prefabricated polyurethane panels have been applied in buildings.

**STOFIRE FOAM** allows a foam with **E** classification to reach a **Bs2d0** classification according to Euroclasses **EN 13501-1**, as certified in specific tests. (\*)

Application in roofs and facades.

(\*) See section Tests performed

### CHARACTERISTICS TECHNIQUES

<i>Presentation:</i>	<i>Ready to use</i>
<i>Color:</i>	<i>White</i>
<i>Finish:</i>	<i>Matt</i>
<i>Weight specific:</i>	<i>1.43 ± 0.05</i>
<i>Minimum Dry thickness:</i>	<i>500 μ (application in 2 layers recommended)</i>
<i>% Solids in volume:</i>	<i>55 ± 1%</i>
<i>Theoric Performance (500μ):</i>	<i>1.10 m<sup>2</sup> /Lt. = 0.77 m<sup>2</sup> /kg.</i>
<i>Time of drying to the touch:</i>	<i>1 hour, at 20°C and 60% RH.</i>
<i>Repaintable:</i>	<i>24 hours, at 20°C and 60% RH.</i>
<i>Hardening:</i>	<i>5 days, at 20°C and 60% RH.</i>
<i>VOC supply:</i>	<i>82 gr/lit.</i>
<i>Application:</i>	<i>Brush, Roller and airless gun</i>
<i>Indicated solvent:</i>	<b>CLEAN WATER</b>

### TREATMENT PREVIOUS OF SURFACES

The surfaces must be clean of dust, oil, release agents or others foreign substances to the surfaceown.

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Certificado Sistema de Calidad



#### METHOD OF APPLICATION

**STOFIRE FOAM** can be applied directly from its container after thorough homogenization, preferably by mechanical stirring.

**Brush:** No dilute. Apply directly

**Roller:** No dilute. Apply directly.

**Airbrush gun:** No appropriate.

**Airless gun:** Dilute with 0 - 5% of water – Minimum power of the equipment, 45:1.  
Nozzle 0.025 – 0.033". Pressure in tip of nozzle, 180 – 210 Kgs/cm<sup>2</sup>.

The applications will be carry out always INDOOR, avoid outdoor.

As with all paints and coatings the substrates will be firm and dry, at a medium temperature superior in 3°C to the spot of dew, with an atmosphere temperature no lower to 10°C and a RH of the 80% as maximum.

Depending of the application equipment, rugosity of the substrate, speed of the wind and of the morphology of the structural items to protect, its consumption may vary.

#### CHARACTERISTICS OF THE DRY FORM

It reacts in contact with flame or high temperatures, swelling and forming multi-cellular foam of high isolating capacity. Non flammable. The moment the product does its job, it calcinates without producing or communicating the flame.

#### OUTDOOR APPLICATION

**STOFIRE FOAM** must be protected against weather and humidity. If the applied product remains in sheltered areas located outdoors or receiving condensation, it must be protected with one or two coats of **REIPOL** or **REXMALT H** 24 hours after applying the last coat of **STOFIRE FOAM**.

#### TEST PERFORMED

The test carried out on the **STOFIRE FOAM** system, applied to **BASF ELASTOSPRAY LWP 1672/family** (1672/1, 1672/10 and 1572/15) polyurethane foam, with a density of **35-42 kg/m<sup>3</sup>** and fire reaction classification **E** according to Euroclass EN 13501-1, has allowed obtaining a final classification of **Bs2d0**. This result certifies the effectiveness of **STOFIRE FOAM** in improving the fire behaviour of the specific foam evaluated. Although the results obtained are applicable to this particular system, the performance of **STOFIRE FOAM** on other substrates with similar characteristics could offer comparable benefits, always subject to validation by means of the corresponding tests.

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#### **PRECAUTIONS**

Application should be performed with a plentiful air supply or with ventilation systems designed for this purpose. Personal safety measures should be taken in order to avoid ingestion, inhalation or contact with the skin. The normal precautions for fire prevention should be taken. Keep containers tightly sealed after use. Do not pour waste down the drain.  
Product sensitive to ice, so we recommend that you store it somewhere dry and protected from weathering. Storage stability: 6 months in their original, sealed containers, in good storage conditions.

#### **OBSERVATIONS**

We guarantee the quality of our products in accordance with our general conditions of sale and delivery. Our technical advice for use, whether expressed verbally, in writing or by means of tests, is given in accordance with our current knowledge and experience. They are simple indications which do not engage our responsibility, nor do they exempt you from the need to verify for yourselves that the products we supply correspond to the procedures and objectives sought by you, by carrying out your own controls and tests. The application and use of the products are beyond our control and, consequently, depend exclusively on your personal responsibility, and we cannot be held responsible for results other than those shown here. Our safety recommendations do not preclude you from determining your own measures adapted to the conditions on your premises. We reserve the right to change the information contained herein, without prior notice, according to technological developments.

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