

PYRO-SAFE® B CX 2200

Fire Protection Coating

Description

PYRO-SAFE® B CX 2200 is a 2-component polyurethane-based material. It is particularly suitable for external use. The intumescent material is characterised by its high resistance to climatic as well as mechanical influences.

Application Areas

- module & system level
- storage & transport
- on request



Delivery and Packaging

| PYRO-SAFE® B CX 2200 | | | | |
|----------------------|---------------------|-----------------|------------------------|-----------------|
| | Component A (resin) | | Component B (hardener) | |
| Packaging | combination tin | pail | pail | |
| Container size | 1 kg | 20 kg | 2.5 kg | 20 kg |
| Number of pieces | on request | 20 pcs. /pallet | 224 pcs./pallet | 20 pcs. /pallet |
| Weight | | 400 kg | 560 kg | 400 kg |
| Article Number | | | | |
| | 3146121 | 3146120 | 3146118 | 3146119 |

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PYRO-SAFE® B CX 2200

Technical Data

| | | | | |
|---|---|--------------------------------|--|---------|
| | Component A (resin) | | Component B (hardener) | |
| Colour | grey, orange, others on request | | | |
| Density (+20 °C) | 1.32–1.36 kg/dm³ | | 1.22–1.24 kg/dm³ | |
| Thermal conductivity | approx. 1.0 W/(m·K) | | | |
| Expansion rate | 15–25 times | | | |
| Expansion pressure | 0.5–1.0 N/mm² | | | |
| Viscosity | approx. 25.000 mPa·s (at +50 °C) | | approx. 100 mPa·s (at +20 °C) | |
| Mixing ratio (wt %) | 100 parts | | 12.5 parts | |
| Mixing ratio (vol %) | 100 parts | | 13.5 parts | |
| Application (min. +5 °C/< 85 % relative humidity) | It is recommended to temper component A to +50 °C. Stir component A well before application. Mix components A and B very well in the exact weight ratio. Application is preferably carried out using the airless method (nozzle orifice: >0.051 inch). Other application methods such as compressed air (nozzle orifice 4 mm), brushing and rolling are possible with the addition of solvents. Ethyl acetate or xylene may be added to component A. | | | |
| Pot life | approx. 10 minutes (both components +20 °C) approx. 8 minutes (component A tempered to +50 °C) | | | |
| Curing time (+20 °C) | resistant < 24 hrs | | | |
| Temperature resistance (operation) | -25 °C to +60 °C | | | |
| Example consumption | solids (wt.) | application quantity [g/m²] | layer thickness [µm] | |
| | | | wet | dry* |
| | 100 % | 1320 g/m² | 1000 µm | 1000 µm |
| | * The required dry film thickness varies depending on the fire protection requirements and fire protection properties of the structures to be protected. ** Selection losses are not taken into account. | | | |
| Storage | +5 °C to +35 °C | | +10 °C to +30 °C | |
| | 18 months in sealed original container | | 9 months in sealed original container | |
| Safety information | No hazardous material/dangerous goods | | Hazardous substance according to the German Ordinance on Hazardous Substances (GefStoffV) but not a dangerous good according to the German Ordinance on Dangerous Goods (GGVS/ADR) | |
| | | | Consult the EC safety data sheet for further information. | |