



PYRO-SAFE® B PX 2200

Two-Component Casting Resin

Description

PYRO-SAFE® B PX 2200 is a black intumescent two-component polyurethane-based casting resin. It is suitable for the production of moulded parts, panels and penetration seals for preventive fire protection.

Application Areas

- Battery cases
- Cell spacing
- Cable management
- On request



Delivery and Packaging

PYRO-SAFE® B PX 2200			
Packaging	Tin		Cartridge
Container size	1 kg	5 kg	200 ml
Article Number			
	on request	on request	on request

Please contact us for further information:

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PYRO-SAFE® B PX 2200

Technical Data

	Resin	Hardener
Mixing ratio (Parts by weight)	100	12
Mixing ratio (Parts by volume)	7.0	1
Viscosity	approx. 25 000 mPa·s	approx. 40 mPa·s
Viscosity of the mixture	approx. 9000 mPa·s	
Mixed density	1.45 kg/l	
Bookfield RVT pot life, +23 °C	4–30 min (adjustable)	
Curing time	3–24 hrs.	
Flash point	> 200 °C	
Reaction temperature	approx. 160 °C	
Thermal conductivity	1.06 W/(m·K)-1 at +25 °C	
Application instructions	<ul style="list-style-type: none"> The surfaces to be cast must be dry and clean. Tools for the production of shaped parts must be provided with a suitable release agent. The application is preferably carried out by casting with two-component dosing systems or by hand casting. PYRO-SAFE® B PX 2200 is insensitive to moisture and largely resistant to common technical oils and mild/diluted acids and alkalis. 	
Application (min. +5 °C / < 90 % relative humidity)	<p>For manual casting, the processing time at +23 °C is between 4–30 min. The curing time is 3–24 hours. The pot and curing times are adjustable and depend on the temperature.</p>	
Storage	12 months in the original unopened container. Protect from frost.	
Safety information	PYRO-SAFE® B PX 2200 is fibre- and solvent-free and not subject to any dangerous goods class. Further information can be found in the safety data sheet.	

Moulding Material

Shore hardness (DIN 53505)	88–93 Shore A; 45–50 Shore D
Inflation pressure (300 °C) method A, Sample thickness 5 mm, Ø 70 mm (DIBT Guidelines, 1996)	0.6–1.2 N/mm²
Foaming (450 °C)	17 to 26 fold
Application temperature range	-50 °C to +80 °C