



PYRO-SAFE® B PX 2100

PUR Protective Coating and Casting Compound

Description

PYRO-SAFE® B PX 2100 is a flame retardant, flexible and cold curing polyurethane compound. It consists of two components and can be used for temperature ranges from -40 to +90 °C. It is particularly suitable as a potting resin system with electrically insulating properties in heavy-duty applications. It is used as a moisture-resistant, gas-proof and pressurised water-proof coating, potting or filler for electrical components up to the high-voltage range.

Application Areas

- Module & system level
- On request



Delivery and Packaging

PYRO-SAFE® B PX 2100		
Packaging	Tin	Pail
Container size	1 kg	5 kg
Article Number		
	on request	on request

Please contact us for further information:

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PYRO-SAFE® B PX 2100

Technical Data

	PYRO-SAFE® B PX 2100 (resin)	PYRO-SAFE® B PX 2100 (hardener)
Colour/odour	Brown / Odourless	
Density (+20 °C)	1.62 g/cm ³	1.22 g/cm ³
Mixed density	1.58 g/cm ³	
Mixing ratio (wt%)	91 parts	9 parts
Application temperature	> +5 °C / rel. humidity < 80 %	
Viscosity	approx. 40,000 mPas	approx. 110 mPas
Viscosity of the mixture	approx. 20,000 mPas	
Waterproofness	2.5 bar	
Gas tightness	Technically tight depending on layer thickness up to 1 bar helium gas pressure	
Pot life of the mixture (Bookfield RVT, +23 °C, 300 g)	60 min.	
Chem. curing of the mixture	16 – 24 hrs.	
Flash point	> 200 °C	
Application instructions	<p>The casting compound is prepared by carefully mixing the hardener component into the resin (recognisable by a uniformly coloured casting compound). The finished mixture can be worked for approx. 40 – 60 minutes (depending on batch size and temperature), depending on the ambient temperature. Care must be taken that neither the components nor the uncured mixture come into contact with moisture of any type. Moisture triggers unwanted chemical reactions, causes the material to foam and changes the property values.</p>	

Storage	+10 and +40 °C
	12 months in sealed original container
Safety information	Further information can be found in the safety data sheet.

Moulding material

Shore hardness (DIN 53505)	88 – 93 Shore A; 45 – 50 Shore D
Post-curing of the samples	24 hrs / 80 °C
Burning behaviour according to UL 94	VO
Creepage resistance	CTI 600 (DIN/IEC 112)