

FLAMMADUR® TE C

Fire Protection Coating

Description

FLAMMADUR® TE C is a 2-component polyurethane-based material. It is particularly suitable for external use. This intumescent material is characterised by its high resistance to climatic as well as mechanical influences.

Areas of Application

- Rolling stock
- Outdoor applications
- On request



Delivery and Packaging

FLAMMADUR® TE C				
	Component A (resin)	Component B (hardener)		Two-component tin
Packaging	Pail			Tin
Container size	20 kg	2.5 kg	20 kg	1 kg
Number of pieces	20 pcs. / pallet	224 pcs. / pallet	20 pcs. / pallet	
Weight	400 kg	560 kg	400 kg	
Article Number				
	4146120	4146118	4146119	4146121

Please contact us for further information:

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transportation@svt.de

FLAMMADUR® TE C

Technical Data

	Component A (resin)	Component B (hardener)		
Colour	gray	brown		
Density (+20 °C)	1.32–1.36 g/cm³	1.22–1.24 g/cm³		
Mixed density (0 %)	1.30–1.34 g/cm³			
Mixed density (5 %)	1.28–1.32 g/cm³			
	% relates to the addition of solvent xylene or ethyl acetate			
Thermal conductivity	approx. 1.0 W/(m·K)			
Expansion factor	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. Ethyl acetate or xylene may be added to component A. Mix components A and B very well in the exact weight ratio. The application is preferably carried out using the airless method (nozzle bore:> 0.051 inch). Other processing methods such as compressed air (nozzle bore 4 mm), brushing and rolling are possible through the addition of solvents.			
Pot life	approx. 10 minutes (both components +20 °C) approx. 8 minutes (component A tempered to +50 °C)			
Curing time (+20 °C)	resistant < 24 h			
Temperature resistance (operation)	-25 °C to +60 °C			
Storage	+5 °C to +35 °C		+10 °C to +30 °C	
	18 months in sealed original container		9 months in sealed original container	
	12 months in sealed original container			
Safety instructions	Hazardous substance according to the German Ordinance on Hazardous Substances (GefStoffV) but not hazardous material according to the German Ordinance on Dangerous Goods (GGVS/ADR)			
	Safety information can be found in the EC safety data sheet..			
Example consumption	Solids (wt.)	Application quantity [g/m²]	Layer thickness [µm]	
			Wet	Dry*
	100 %	1.320 g/m²	1.000 µm	1.000 µm
	* The required dry film thickness varies depending on the fire protection requirements and fire protection properties of the structures to be protected. Splash losses are not taken into account!			
Cleaning	Immediately with dilution			
Classification	RST PB no. P60-19-8015: The product fulfills the requirements R1 / R7 for the hazard levels HL1–HL3 according to DIN EN 45545-2 (02/2016) Müller-BBM PB no. M147159 / 01: Testing of dynamic mechanical properties in accordance with DIN EN ISO 6721-3			