AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

FLAMMADUR ® TE C - Technical Data Sheet-en

澳迪斯防火科技（廊坊）有限公司

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以上为销售联系信息，不替代安全数据表中的应急联系电话。
原始技术内容及制造商、检测机构和证书签发信息见后续资料页。

Sales contact only; emergency contacts in safety data sheets remain applicable.
Original technical, manufacturer and certification details follow.

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			
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

Tech.Rev.: 1.0
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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. • 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. • 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 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
	For two-component tins: 9 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 %	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. 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