

PYRO-SAFE® DG-SKN

Fire protection coating

Description

PYRO-SAFE® DG-SKN is a water based fire protection coating for outdoor applications, especially developed for rolling stock. Its VOC content is significantly below the lowest limit of 50 g/L I according to GS-11. A protective insulating layer begins to develop at temperatures above 150°C. Through stages of reaction in the different stages of fire stress, it creates a firmly cohesive insulating layer.

Areas of application

- Rolling Stock
- External and internal applications
- On request



Delivery and packaging

PYRO-SAFE® DG-SKN		
Packaging		Bucket
Container size	20 kg	On request
Quantity	24 pcs. / pallet	
Weight	480 kg	
Article number		
	1157006	

If you would like to place an order, please contact us:

+49 4105 4090-14 industry@svt.de

PYRO-SAFE® DG-SKN

Technical data

Protect your values.



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Colour	anthracite, grey, black or red - no top coat required						
Density (+20°C)	1.00 - 1.25 g/cm³						
Thermal conductivity	approx. 1.1 W/(m*K)						
Temperature resistance	-40°C to +50°C (for < 30 min +80°C)						
Temperature resistance (operation)	-5°C to +50°C						
Volatile organic compounds (VOC)	< 50 g/l (GS-11, Green Seal Standard)						
Processing (min. +5°C / < 85% relative humidity)	<p>The surface must be free of contamination. Application is preferably carried out using the airless method (nozzle bore: > 0.051 inches) or compressed air painting (nozzle bore ≥ 3.5 mm - 4 mm) at temperatures ≥ 5°C and ≤ 85% rel. humidity. PYRO-SAFE® DG-SKN can be adjusted to the preferred processing viscosity with water or special thickener.</p>						
Drying times	Ambient conditions		Wet film thickness 500 µm overpaintable with itself				
	+25°C / 35% rel. humidity		after approx. 30 min				
	+80°C / 35% rel. humidity		after approx. 10 min				
Example usage	Solid object (weight)	Application quantity [g/m²]	Layer thickness [µm]				
	60 - 70 %	455 g/m²	<table border="1"> <tr> <td>Wet</td> <td>Dry*</td> </tr> <tr> <td>500 µm</td> <td>250 µm</td> </tr> </table>	Wet	Dry*	500 µm	250 µm
	Wet	Dry*					
500 µm	250 µm						
*The required dry layer thickness varies depending on the fire protection requirements and technical fire protection characteristics of the constructions to be protected. Spraying losses have not been taken into consideration!							
Foaming pressure / foaming factor	Early, rapid foaming (from approx. 150°C) with high foaming pressure (up to 1.65 N/mm²) and high foaming factor (up to 50 times).						
Storage	+5°C to +30°C						
	18 months in the unopened container						
Delivery form	20 kg PE bucket						

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Safety instructions	<p>No classification under Regulation EC 1272/2008. Does not require labelling.</p> <p>Additional instructions can be found in the safety data sheet</p>
Certificates	<p>RST test report No. P60-16-8098: The product meets requirements R1 / R7 for hazard levels HL1 - HL3 as per DIN EN 45545-2 (02/2016).</p> <p>RST test report No. P60-17-0313/-3168: The product meets the requirements according to DIN 5510:Part 2 (05/2009)</p> <p>Exova test report No. 376161: The product meets the requirements for category Ia, Ib and II vehicles according to BS 476: Part 7: 1997, BS 6853: 1999 Annex B.2 and D.8.4</p> <p>ILF test report No. 161067.2: Test of moisture resistance according to DIN EN ISO 6270-1</p> <p>Müller-BBM test report No. M124497/01: Sound insulation, determination of the loss factor according to EN ISO 6721-3</p>