



## PYRO-SAFE® DG-SKN

### Fire protection coating

#### Description

PYRO-SAFE® DG-SKN is a water-based fire protection coating for outdoor application, especially developed for rolling stock. Its VOC content is significantly below the lowest limit of 50 g/L I in accordance with GS-11. Starting at a temperature of 150 °C, it will undergo various reactions during exposure to fire, finally expanding to a cohesive protective layer.

#### Application Areas

- Rolling stock
- Outdoor and indoor application
- On request



#### Delivery and Packaging

PYRO-SAFE® DG-SKN		
Packaging	pail	
Size	20 kg	on request
Number of pieces	24 pcs. / pallet	
Weight	480 kg	
Article number		
	01157006	

Please contact us for further information:

☎ +49 4105-40 90-14

✉ [transportation@svt.de](mailto:transportation@svt.de)



## PYRO-SAFE® DG-SKN

### Technical Data

Colour	anthracite grey – no varnish required		
Density (+20 °C)	1.00–1.25 g/cm <sup>3</sup>		
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	< 50 g/l (GS-11, Green Seal Standard)		
Processing (min. +5 °C / < 85 % relative humidity)	<p>Ensure the surface is free of contamination.</p> <p>The coating is preferably applied using the airless method (nozzle bore: &gt; 0.051 inch) or by compressed air (nozzle bore 3.5–4 mm) at temperatures ≥ 5 °C and a relative humidity of ≤ 85 %.</p> <p>Water or special thickener may be used to adjust PYRO-SAFE® DG-SKN to a preferred viscosity for processing.</p>		
Drying time	Ambient conditions		wet film thickness 500 µm can be coated over with itself
	+25 °C / 35 % relative humidity		after approx. 30 min
	+80 °C / 35 % relative humidity		after approx. 10 min
Example consumption	solids (wt.)	application quantity [g/m <sup>2</sup> ]	film thickness [µm]
	60–70 %	455 g/m <sup>2</sup>	wet 500 µm
			dry* 250 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!		
Expansion pressure / expansion factor	Early, fast expansion (from approx. 150 °C) with high expansion pressure (up to 1.65 N/mm <sup>2</sup> ) and a high expansion factor (up to 50 times).		
Storage	18 months in sealed original container		
Form of delivery	20 kg PE pail		
Safety information	<p>No classification as per regulation EG 1272/2008.</p> <p>Exempt from specific labelling requirements</p> <p>Consult the safety data sheet for further information.</p>		
Classification	<p>RST PB-Nr. P60-16-8098: The product meets the requirements of R1/R7 for hazard levels HL1–HL3 in accordance with DIN EN 45545-2 (02/2016)</p> <p>RST PB-Nr. P60-17-0313/-3168: The product meets the requirements in accordance with DIN 5510: Part 2 (05/2009)</p> <p>Exova PB-Nr. 376161: The product meets the requirement for category Ia, Ib and II vehicles in acc. with BS 476: Part 7: 1997, BS 6853: 1999 Appendix B.2 and D.8.4</p> <p>ILF PB-Nr. 161067.2: Tested for humidity resistance in acc. with DIN EN ISO 6270-1</p> <p>Müller-BBM PB-Nr. M124497/01: Acoustic insulation, determination of loss factor in acc. with EN ISO 6721-3</p>		