AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

PYRO-SAFE ® DG-SKN - Technical Data Sheet-en

澳迪斯防火科技（廊坊）有限公司

Aodisi Fire Technology (Langfang) Co., Ltd.

销售及选型联系 / Sales & product enquiries

19931333348

492048031@qq.com

www.gmfireproof.com

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.

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.



Areas of Application

- Rolling stock
- Outdoor and indoor application
- On request

Delivery and Packaging

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

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PYRO-SAFE® DG-SKN

Technical Data

Colour	anthracite grey – no varnish 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	< 50 g/l (GS-11, Green Seal Standard)			
Processing (min. +5 °C / < 85 % relative humidity)	Ensure the surface is free of contamination. The coating is prefereably applied using the airless method (nozzle bore: > 0.051 inch) or by compressed air (nozzle bore 3.5–4 mm) at temperatures ≥ 5 °C and a relative humidity of ≤ 85 %. Water or special thickener may be used to adjust PYRO-SAFE® DG-SKN to a preferred viscosity for processing.			
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/m²]	film thickness [µm]	
			wet	dry*
	60–70 %	455 g/m²	500 µm	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/mm²) and a high expansion factor (up to 50 times).			
Storage	18 months in sealed original container. At room temperature (+5 °C to +30 °C), exceeding the ambient temperature up to 10 °C < 12 hours is unproblematic. Protect from frost.			
Form of delivery	20 kg PE pail			
Safety information	No classification as per regulation EG 1272/2008. Exempt from specific labellin requirements Consult the safety data sheet for further information.			
Classification	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) RST PB-Nr. P60-17-0313/-3168: The product meets the requirements in accordance with DIN 5510: Part 2 (05/2009) 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 ILF PB-Nr. 161067.2: Tested for humidity resistance in acc. with DIN EN ISO 6270-1 Müller-BBM PB-Nr. M124497/01: Acoustic insulation, determination of loss factor in acc. with. EN ISO 6721-3			