AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

PYRO-SAFE ® DG NG - 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 NG

Fire protection coating

Description

PYRO-SAFE® DG NG is a high-performance, water-based intumescent fire protection coating specifically developed for outdoor applications. When exposed to its activation temperature, the material forms a highly insulating carbonaceous foam with a high expansion ratio and strong expansion pressure, effectively preventing the spread of fire and heat. The coating is easy to handle and apply, making it ideally suited for a wide range of passive fire protection applications.

Areas of Application

- Transport vehicles
- Outdoor and indoor application
- On request



Delivery and Packaging

PYRO-SAFE® DG NG				
Packaging	Bucket	Bucket (CN version)	Steel drum	Other packaging units available on request.
Size	20 kg	20 kg	200 kg	
Article number	01157028	01157038	01157029	

Tech.Rev.: 1.2
Ling. Rev.: 1.0

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PYRO-SAFE® DG NG

Technical Data

Colour	anthracite grey – no varnish required
Density [g/cm³] (at +20 °C)	1,1 – 1,3
Thermal conductivity [W/(m·K)] (at +25 °C)	approx. 0,75
Temperature resistance	-40 °C to +50 °C (for < 30 min +80 °C)
Loss factor (EN ISO 6721-3)	0,2
Activation temperature [°C]	150
Expansion pressure [N/mm²]	1,3
Expansion factor	up to 30-times

Processing	• Application temperature: ≥ +5 °C and ≤ 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 (nozle bore 3.5–4 mm). • The preferred application viscosity can be adjusted with water..

	Ambient conditions	wet film thickness 500 µm can be coated over with itself
Drying time	+25 °C / 35 % relative humidity	after approx. 30 min
	+80 °C / 35 % relative humidity	after approx. 10 min

	solids (wt.)	application quantity [g/m²]	film thickness [µm]	
			wet	dry
Example consumption	65–75 %	520 g/m²	500 µm	300 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!			

Storage	• 24 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.
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. P60-25-8031: • The product meets the requirements of R1/R7 for hazard levels HL1–HL3 in accordance with DIN EN 45545-2 (02/2016) / 10-2020 / 12-2023 • Salt mist test DIN EN IEC 60068-2-11(10/2022) & Chemical Resistance TL918300:2017-1 Annex B - RST PB Nr. P50-25-0059