

PYRO-SAFE® DG-S

Fire Protection Coating

Description

PYRO-SAFE® DG-S is a water based fire protection coating for interior use, especially developed for rolling stock applications. The VOC content is significantly below the minimum limit of 50 g/L, which is defined by GS-11 (Green Seal Standard, Edition 3.1/2013).



Areas of Application

- Rolling stock
- General industrial use
- On request

Delivery and Packaging

PYRO-SAFE® DG-S		
Packaging	pail	
Size	5 kg	12.5 kg
	On request	
Number of pieces	60 pcs. / pallet	40 pcs. / pallet
Weight	300 kg	500 kg
Article number	01157017	01157007

PYRO-SAFE® DG-S

Technical Data

Colour	anthracite grey, on request		
Density (+20 °C)	1080–1320 g/cm ³		
Viscosity (+20 °C)	6000–10 000 mPa·s (at +20 °C) (thixotropic)		
Temperature resistance	-20 °C to +80 °C (tested for 40 days without mechanical stress)		
Reaction temperature	150 °C		
Volatile organic compounds (VOC)	The VOC content is significantly below the the lowest limit value of 50 g/L as defined by GS-11 (Green Seal Standard, ed. 3.1/2013).		
Processing temperature	+5 °C to +30 °C		
Processing (min. +5 °C / < 85 % relative humidity)	The coating is preferably 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 may be used to adjust PYRO-SAFE® DG-S to a preferred viscosity for processing.		
Drying times	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 ²]	film thickness [µm]
	65–75 %	500 g/m ²	wet 550 µm dry* 300 µm
		1000 g/m ²	1100 µm 600 µm
The necessary dry film thickness varies depending on fire protection requirements and the fire protection properties of the respective constructions. Spraying losses are not included.			
Storage	At room conditions (+5 °C to +30 °C), exceeding the ambient temperature by up to 10 °C for less than 12 hours will not cause problems. Protect from frost. 18 months in original sealed container.		
Safety information	PYRO-SAFE® DG-S is not a hazardous substance according to the German Ordinance on Hazardous Substances (GefStoffV) and not a dangerous good according to the German Hazardous Goods Ordinance – Road (GGVS) and the European ADR. Please consult the safety data sheet for additional safety-related information.		