PROTECTA® FR ASF

TECHNICAL DATA SHEET

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General Product Description

Protecta[®] FR ASF is designed to prevent the spread of fire, smoke and gases through openings in fire rated walls and floors, specifically linear joints and openings for building service penetrations. Protecta[®] FR ASF should be applied over suitable backing materials to ensure correct width to depth ratio and to reduce shrinkage of the joint during hardening. In areas with a high degree of humidity and/or in joints with excessive movement, use Protecta[®] FR IPT. Protecta[®] FR ASF is a 4 hour rated intumescent sealant formulated with fillers that provide noise reduction.

Protecta[®] FR ASF cures when it is subjected to atmospheri conditions, however it will retain a degree of elasticity for joint movement. Under fire exposure, Protecta[®] FR ASF creates a robust fire seal by the formation of a durable intumescent char.

The sealant has undergone tests to BS476: Part 20:1987 and BSEN 1366-3 with additional guidelines from BSEN 1366-4 for fire protection joints and testing in accordance with BS EN ISO 140-3:1995 for acoustic performance.

Properties

- · Fire rated in both horizontal & vertical joints
- · No priming required for most construction substrates
- Joint movement capability of 7.5%
- · For use in joints up to 50 mm wide
- · Excellent slump resistance
- 18 months shelf life
- Fast cure tack free within an hour
- · Easy to apply and tool off
- · Halogen free
- Paintable
- · Excellent adhesion to most common building substrates
- Reduces sound transmission in joints

Protecta[®] FR ASF complies with the requirements of GEV and the results correspond to the EMICODE emission class EC 1^{PLUS} which is the best possible environmental and indoor hygiene health protection mark. Tested by Eurofins Product Testing, report number G12870B.



Emission data (indoor air quality)

Compound	Emission rate after 3 days	Emission rate after 4 weeks
TVOC	14 μg/m³	< 5 μg/m³
TSVOC	< 5 μg/m³	< 5 µg/m³
VOC w/o NIK or CLI	7.4 μg/m³	< 5 μg/m³
R Value	0.0089	0
Formaldehyde	< 3 μg/m³	< 3 µg/m³
Acetaldehyde	< 3 μg/m ³	< 3 µg/m³
Sum for+ace	< 5 μg/m³	-
Carcinogenic	< 1 µg/m³	< 1 µg/m³

Technical Data

Form	Ready to use thixotropic paste	
Specific	1.60 - 1.64	
Gravity		
Flash point	None	
Tack Free Time	60 minutes maximum	
Skin Time	20 minutes maximum	
Solids Content	80% minimum	
Movement	Low to medium 7.5% butt joints	
Accommodation		
Shelf life	Up to 18 months when stored in unopened cartridges under cool dry conditions. Avoid temperatures above 30°C & below 5°C	
Compatibility	Can be used in contact with most building and decorating materials	
Classification	Sealant ISO 11600 - F - 7.5P	
Acoustic Rating	40(-3;-8)dB Rw(C;CTtr) BS EN ISO 717-1:1997	

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