



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.

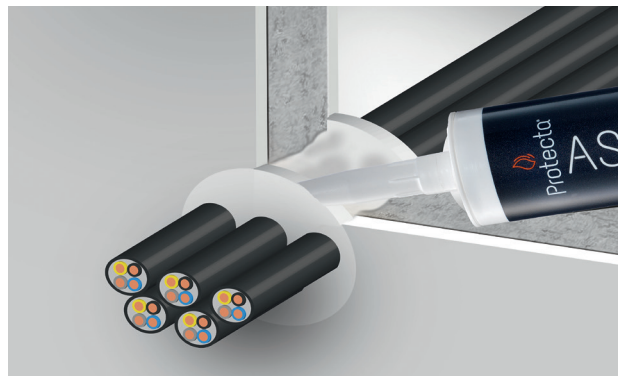
Protecta® FR ASF cures when it is subjected to atmospheric conditions, however it will retain a degree of elasticity for joint movement. Under fire exposure, Protecta® FR ASF creates a robust fire seal by the formation of a durable intumescent char.

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/m ³	< 5 µg/m ³
TSVOC	< 5 µg/m ³	< 5 µg/m ³
VOC w/o NIK or CLI	7.4 µg/m ³	< 5 µg/m ³
R Value	0.0089	0
Formaldehyde	< 3 µg/m ³	< 3 µg/m ³
Acetaldehyde	< 3 µg/m ³	< 3 µg/m ³
Sum for+ace	< 5 µg/m ³	-
Carcinogenic	< 1 µg/m ³	< 1 µg/m ³

Technical Data

Form	Ready to use thixotropic paste
Specific Gravity	1.60 - 1.64
Flash point	None
Tack Free Time	60 minutes maximum
Skin Time	20 minutes maximum
Solids Content	80% minimum
Movement Accommodation	Low to medium 7.5% butt joints
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;CTr) BS EN ISO 717-1:1997