

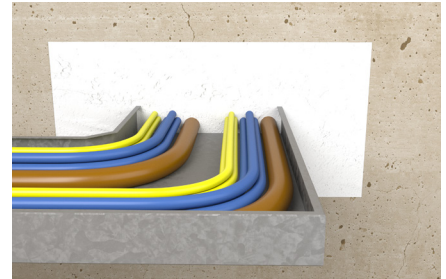
# FireBarrier ElastoSeal Plus FFB-ES Plus

Flexible fire resistant acrylic spray

2



Curtain wall application



Electrical application

## Applications

- Horizontal linear joint seal
- Perimeter joints
- Cable trays
- Inside application

## Advantages

- 1.6 mm WFT required
- Spray or brush applied
- Acoustic properties
- Air permeability
- Water permeability
- Paintable
- Low VOC, halogen and solvent free

## Certificates



ETA-23/0164  
ETA-23/0166



EN ISO 10140-2  
EN 13501-1  
EN 1026  
EN 1027  
EN 1364-4  
EN 1366-3  
EN 1366-4  
ASTM E84 (UL 723)  
ASTM E90  
ASTM G21  
ASTM 2079  
VOC (Eurofins)  
CDPH

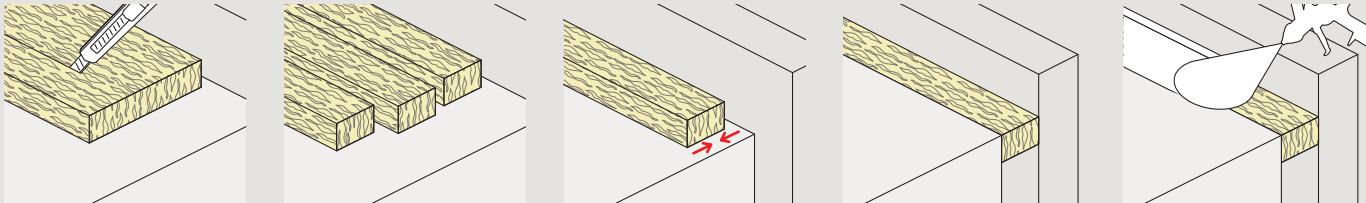
## Building materials

- Rigid floor and wall constructions
- Masonry
- Concrete
- Aerated concrete

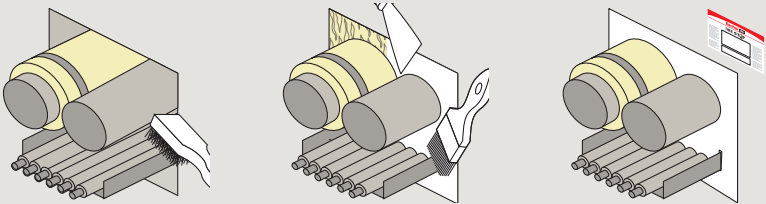
## Functioning

- FFB-ES Plus is a one part water-based fire resistant spray, which prevents the passage of smoke and fire between fire rated compartments.
- Can be used for internal application and for conditions where dynamic movement may occur.

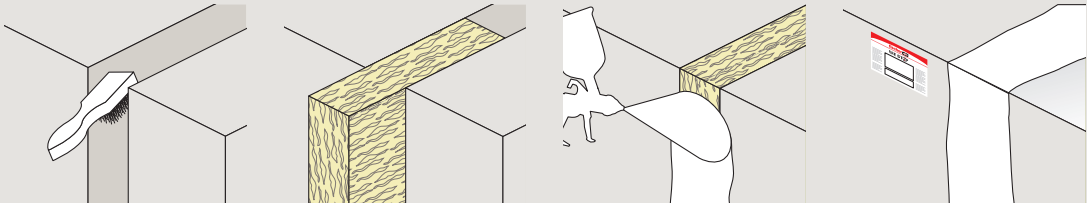
Installation FFB-ES Plus perimeter joint



Installation FFB ES Plus penetration



Installation FFB-ES Plus joint



## Technical data

Item	Item no.	Ap- pro- val	Contents [l]	Sales unit
		ETA		[pcs]
FFB-ES Plus WHITE	569303	●	19	1
FFB-ES Plus RED	569304	●	19	1

Base material	water-based flexible acrylic spray
Density	1.57 g/cm <sup>3</sup>
Skin-forming time	approx. 60 min (at 23 °C and 50% relative humidity)
Curing rate	approx. 1.0 mm per 24 hours
Storage temperature	- 5 °C to +25 °C
Coating thickness	1.6 mm nominal, wet film thickness, depending on application
Movement capability	≤ 25 % according to EN 1366-4, UL 2079: Cycling 500 times, 15% movement as of ASTM E1399 (Class II and III) %
Shelf life	18 months
pH Value	7.8 - 8.8
Air permeability	no measurable air flow, positive and negative pressure tested to EN 1026
Water permeability	no water penetration at up to 1.050 Pa tested to EN 1027
Acoustic performance	Rw (C;Ctr) = 44 (-4; -9) dB
Reaction to fire	D-s1, d1 per EN 13501-1 and class A per ASTM E84
Fire resistance	EN 1366-3, EN 1366-4, EN 1364-4, UL 2079
Yield per l/m	depending on application
Colour	white, red
European Technical Assessment	ETA-23-0164, ETA-23-0166
CE marking	0800-CPR-III-1170-4, 0800-CPR-III-1170-6

Skin-forming time and curing rate are dependent on substrate, air humidity and weather conditions.

## Application data

Joint width [inch]	Joint width [mm]	Ft/pail	LM/pail
3/16	5	1257	383
3/8	10	1080	329
1	25	764	233
2	50	512	156
3	75	384	117
4	100	308	94
6	150	220	67
8	200	170	52
10	250	141	43
12	300	118	36

The above table provides an approx. yield for a coverage of 1.6 mm Wet Film Thickness (WFT) with a 13.0 mm overlap. Application shall be as per listed system.

Substrate	Max. joint width [mm]	Fire ratings	
		Integrity rating [min]	Insulation rating [min]
Concrete / masonry (head of wall)	250	up to 180	up to 180
Concrete / concrete (floor joint)	300	up to 240	up to 180
Curtain wall / concrete	250	up to 180	up to 90

For detailed information please refer to listed system.

Substrate	Type of penetrant	Cable type	Fire ratings	
			Integrity rating [min]	Insulation rating [min]
Masonry (wall application)	Service option L (with cable carrier)	cables up to a max. outer diameter of 80 mm	up to 45	up to 30

For detailed information please refer to listed system.

