

FLAMRO BS-MK Combi Seal

max. EI 120

ETA-15 | 0237

Special Benefits

- Coating may be sprayed, brushed or spread with spatula
- No drops, clean working
- Easy installation and retrofitting
- Also approved for lightweight partition walls with steel and wooden stands
- Short coating lengths for installations (100 / 250 mm)
- Coatable with aqueous emulsion paint
- Seal width only 60 mm, single-layer arrangement
- The seal may also be installed in pressurised areas or in a vacuum
- High flexibility
- It is possible to feed pipes with synthetic rubber insulation (refrigerant lines)
- Penetration of ducts up to 3 items per 25 mm, rigid | flexible | occupied | unoccupied | combustible | non-combustible
- Penetration of ducts up to 32 mm also in bundle up to Ø115 mm

Permitted Configuration

- Non-combustible steel, stainless steel and cast iron pipes ≤ 108 mm
- CU pipes ≤ 89 mm
- Plastic pipes (PVC, PE) ≤ 110 mm in conjunction with Variant N II A Fire Protection Collar EI 90 / EI 120 U / U
- Sheathed cables up to Ø 80 mm
- Cable bundle up to Ø 100 mm (cable up to Ø 21 mm)
- Installation pipes made from steel ≤ 25 mm
- Synthetic rubber insulated pipes AF/Armaflex, Armaflex LS, Ultima, NH, Protect
- Foamglas insulated pipes
- Waveguide cable ≤ 50.4 mm
- Non sheathed cables ≤ 24 mm
- Bundle made from electric installation pipes up to Ø 115 mm

Sectional Insulation

- Mineral fibre shells
- Synthetic rubber
- Foamglas

Form of Delivery

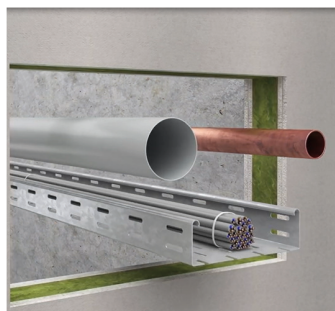
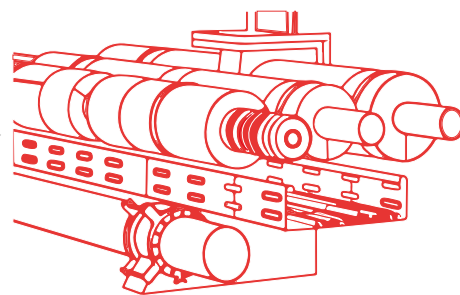
Article Description	Contents / Dimensions	Art. No.
FLAMRO BS 60/2 system panel, double-sided coating	1000 x 625 x 60 mm	50036
FLAMRO BMS Putty	1 kg 5 kg 12.5 kg 25 kg	10010 10500 10125 10250
FLAMRO BMA Coating Material Airless	1 kg 5 kg 12.5 kg 25 kg	20010 20500 20125 20250
FLAMRO Variant N II A Fire Protection Collar	see page 54	Dependent on Pipe diameter
FLAMRO UBB Strip	1000 x 60 x 2 mm	90050



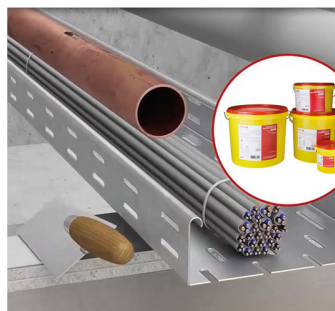
How much material is required?

Description

Flexible combi seal consisting of a 60 mm thick panel seal used in conjunction with fire protection collars. It is used for sealing electric lines, cables and pipes and preserves the ability of walls and floors to resist fire.



The component opening soffits must first be cleaned.



The inserted cables, lines, multicore tubes and cable supporting structures must be coated on both sides with FLAMRO BMA Ablation Coating. The dry layer thickness must be at least 2 mm.



When installing the Combi Seal in walls, the pipe collars must be installed on both sides of the wall; when installed in floors they must be positioned on the underside of the floor. The smallest fitting pipe collar for the pipe outer diameter must be used. The sectional insulation must be coated on both sides of the combi seal over a length of

250 mm using FLAMRO BMA Ablation Coating. The dry layer thickness must be at least 2 mm.



The openings between the component soffits and inserted cables/lines/multicore tubes/cable supporting structures must be sealed using a single layer of fire protection plates. The outer edges of the plates must be coated with FLAMRO BMA / BMS Ablation Coating.



The coating thickness must be at least 2 mm. Cable bundles must not be filled inside with fire protection materials.



After the component opening has been sealed, all interstices and joints must be filled on the outer side using FLAMRO BMS / FLAMRO BMK Coating. The seal surfaces and the installations must then be coated on the outside using the ablation coating, so that the dry layer thickness is at least 2 mm.



The seal must then be permanently labelled with a sign. The identification plate must be attached to the component next to the seal and may be obtained from FLAMRO.

Installation Data

	Rigid wall	Solid floors	Lightweight partition walls
Wall/floor thickness	min. 100 mm	min. 150 mm	min. 100 mm
Max. seal dimensions (W x H/L)	1200 x 1800 mm	1800 x 1000 mm	1200 x 1800 mm
Seal thickness	60 mm	60 mm	60 mm
Coating length cable	double-sided 250 mm	double-sided 250 mm	double-sided 250 mm

¹⁾ Larger widths in accordance with the regulations of EN 1366-3, Section 13.5.2 are possible