



AS 65

**FLEX 310 M
FIRESEAL**

Permanently elastic adhesive and sealant with a fire resistance up to 120 minutes



EN 1366-4

www.a-spe.com



FLEX 310 M FIRESEAL



AS65 Flex 310 M FireSeal is a permanently elastic adhesive and sealant based on SMP (silane-modified polymer) with a fire resistance up to 120 minutes. Tested and classified for all joint structures according to EN 1366-4.

The paint-compatible sealant with very low volume shrinkage meets the highest demands in terms of fire protection, such as the requirements of the International Maritime Organisation IMO FTPC Parts 2+5. The very low emissions allow safe indoor application. Therefore, it is a perfect solution to the marine and offshore sectors, where low flammability quality is required. AS65 FireSeal is approved for use as adhesive with low flame spread characteristics, not generating excessive quantities of smoke nor toxic products in fire.



EXCELLENT FIRE RESISTANCE UP TO 120 MIN



VERY GOOD SEALING CHARACTERISTICS



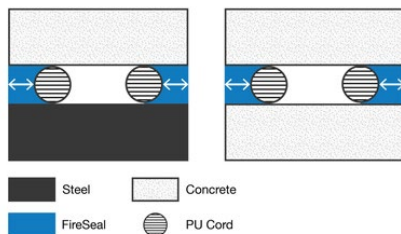
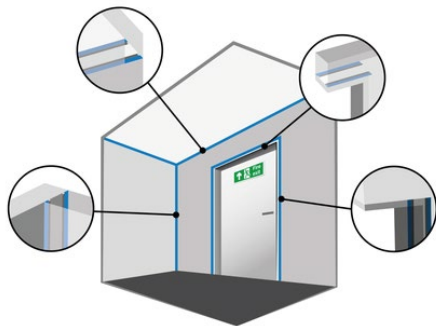
EXCELLENT WEATHERING RESISTANCE



FREE OF SOLVENTS, ISOCYANATES AND SILICONE, LOW ODOUR



LOW VOLUME SHRINKAGE



Steel Concrete
FireSeal PU Cord

FIELDS OF APPLICATION

FireSeal adheres very well even to powder-coated, painted, galvanised, anodised, chromated and hot-dip galvanised surfaces. It is suitable for use on metal, plastics, concrete and wood.

It can be used in many application areas. It is suitable for fire barriers and covers, for joints in non-structural components with fire resistance requirements, for connection joints and for sealing cable ducts, pipe openings and housings.

Flex 310 M FireSeal can also be used in other industrial areas, such as vehicle and body construction, container construction, apparatus and fittings construction, the energy and electrical industries, insulation technology and plastics technology.

REGULATIONS & STANDARDS



- Regulation (EU) 2021/1158,
- item No. MED/3.18e. SOLAS 74, Reg. II-2/3, II-2/5, II-2/9 & X/3, IMO MSC/Circ. 1120, 2000 HSC Code 7 and IMO 2010 FTP Code
- EN 1366-4
- DIN EN 45545-2 R22/23 HL3

TECHNICAL DETAILS

Base	silane-modified polymer	Tensile strength	1,5 N/mm ²
Colour	concrete grey	Tensile strength of the pure adhesive and sealant (ISO 37)	1,5 N/mm ²
Cure type	moisture-curing	Medium lap shear strength (DIN EN 1465/ASTM D 1002)	1,2 N/mm ²
Specific properties	150 g/m ² uncured product meet IMO certification	Elongation at break (tensile)	225 %
Texture	pasty	Movement absorption max.	20 %
Flow resistance (DIN EN ISO 7390)	≤ 3 mm	Volume change DIN 52451	≤ 3 %
Density	1,47 g/cm ³	Hardness (Shore A) DIN ISO 7619	26
Curing condition	from +5°C to +40°C and 30% to 95% rel. air humidity	Temperature resistance	-40°C to +90°C
Processing temperature	+5°C to +40°C	Building material class EN 13501-1	€
Curing speed (in the first 24 h)	3,0 mm	Fire resistance	<120 Min.
Skin-over time	~12 min.	Shelf life	18 mon.



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