



UK DISTRIBUTORS OF
REINHARDT-TECHNIK
Metering & Mixing
Dispensing Systems



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SafeFix® FR 300 - TECHNICAL DATA SHEET

- Not corrosive on metals.

Product description

SafeFix® FR300 is a high-quality and durable one component fire-resistant adhesive based on MS Polymer, suitable for fire-resistant bonding of all kinds of surfaces in construction and industry. SafeFix® FR 300 is also chemically resistant and permanently flexible. SafeFix® FR 300 has a fire resistance of up to 4 hours. SafeFix® FR 300 is paintable with most common paint systems. Testing is recommended.

Advantages

- 4 hours fire-resistance.
- Useable in joints up to 30 mm wide.
- Little shrinkage.
- Suitable for wall/ceiling and wall/floor joints.
- Can be painted over with most water and oil based paints.
- Tested in conformity with EN 1366-4.
- Certified for wood and steel casing joints.
- Certified for metal stud joints.
- Undesired air flows are prevented.
- Movement absorption to 25 %.
- Resists moulds and vermin.
- Odourless.
- Durable.
- UV, weather and water resistant.

Technical data

Curing time:	2/3 mm / 24 hours
Elongation at break:	8
Density:	1.36 g/ml
Skin formation time:	30 - 60 min
Hardness (Shore A):	35
Flow resistance:	2 mm
Temperature resistance:	min 40°C to 90°C
Processing temperature:	5°C to 40°C
Tensile strength (DIN EN ISO 8339):	3.0 MPA
Motion recording (in %):	0.25
Paintable:	Yes
Shelf life (months):	12
Colour:	White
Delivery forms:	310 ml
Storage conditions:	+5 / +35
Base:	Hybrid polymer
Consistency:	Porous

Application instructions

SafeFix® FR300 suitable for the fire-resistant adhesion of connection and dilation joints in construction, that in the event of fire must have certain fire-resistance. The spread of fire, smoke or toxic vapours is counteracted. Safe Fix® FR 300 is also certified for horizontal joints and connections to floor/ceiling with wall, wooden and steel casings and all stud applications. The fire-resistance was tested and conforms with EN 1366-4 to 240 minutes in a horizontal or vertical joint measuring 30 mm wide. Make sure of the correct fire-resistance for your applications by consulting the classification and test reports which are available on request. Fire resistance tests were carried out on FR300 by the Peutz Laboratory for fire safety for the determination of the fire resistance of several linear joints with SafeFix® FR300 hybrid sealant in walls with elements of aerated concrete, steel, wood and gypsum. The tests were performed in accordance with European standard EN1366-4:2000+A1:2000 using the standard heat curve. Based on the test performed in accordance with EN1366-4:2000+A1:2010 and the extended application in accordance with EN 15882-4:2012, the system was classified in accordance with EN13501-2:2007+A1:2009. An expert judgement was also made for connecting FR300 to a steel EI60-construction.

SafeFix® FR 300 is not suitable for PE, PP, PC, PMMA, PTFE, soft synthetics, neoprene and bituminous surfaces. The surfaces must be clean, dry and free of grease and dust. Neither may there be any old sealant residues on the surface. Although SafeFix® FR 300 adheres excellently to most common surfaces. We recommend that you first carry out a test to satisfy yourselves as to its suitability for your specific project application.

Because of skin formation. SafeFix® FR 300 can also be painted over with most water and oil based paints. It is advised to test the tolerance of the paint beforehand.

Certifications



- EN 15651-1: F-EXT-INT-CC 25 HM
- EN 15651-2: G-CC 20LM
- EN 1366-4

Safety Recommendations

See safety information sheet.