



ZETTEX

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TECHNICAL DATA SHEET

FR 300

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Product description

Zettex FR 300 is a high quality durable single part fire resistant adhesive on a hybrid base. This adhesive offers a fire resistancy of 4 hours. Zettex FR 300 can be used for bonding all kinds of materials.

Material

Hybrid polymers

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
- Not corrosive on metals

Application instructions

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. 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 is tested in conformity 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.

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 the FR 300 adheres excellently to most common surfaces it is recommended to first carry out a test. A primer may first be applied for optimal adhesion to some surfaces. Residues that have not properly hardened can be removed with Zettex Profireiniger. Smooth using Zettex Easyfinish within 10 minutes because of skin formation. 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. Hands can finally be cleaned with the Zettex Cleaning Wipes.

Available forms

Tube 290 ml

Safety recommendations

This technical information does not contain an MSDS (Material Safety Data Sheet). You must first fully read the MSDS before using this product.

Shelf life

18 months in unopened packaging. Store at temperatures between 5°C and 25°C.

System applications

Zettex Fire Resistant Line

Certificates

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



Properties	Specifications
Raw material	Hybrid polymers
Extrusion value	115
Density	1,36 g/ml
Elongation at break	800%
Skin formation time	30-60 minutes (at 23°C; 50 % R.H.)
Curing time	+ - 2-3 mm after 24 hours (at 23°C; 50 % R.H.)
Temperature for use	Between 5°C and 40 °C
Shore hardness	35 Shore A
Movement absorption	+ - 25 %
Modulus at 100 % stretch	0,70
Tensile strength	3.0 MPa.
Skin formation at 23°C	10 minutes
Temperature resistance	40°C to +90°C
Resistance to flow	2 mm

Classification according to EN 13501-2 (*)

FR 300 non-fire side, Fire Foam fire-side	FR 300 non-fire side	FR 300 both sides
EI 180-V-X-F-W 8 to 25	EI 60-V-X-F-W 5 to 20	EI 60-V-X-F-W 5 to 30
EI 240-V-X-F-W 8	EI 180-V-X-F-W 5	
E 240-V-X-F-W 8 to 25	E 240-V-X-F-W 5 to 20	

(*) With vertical application with wall thickness of 115 mm

Classification according to EN 13501-2 (*)

FR 300 both sides, thickness wall/floor 100 mm	FR 300 both sides, thickness wall/floor 115 mm
EI 240 T-M25-F W 20 to 30	EI 180-T-M25-F-W 10 to 20
	E 240-T-M25-F-W 10 to 20

(*) With horizontal application