

AC607

Fire Stop Acrylic Sealant

1 - Description

Akfix AC607 is a single component water based fire rated acrylic sealant ideal for sealing joints to prevent the passage of flammable gases and toxic smoke in compartment walls and floors.

2 - Properties

- More than 4 hours of fire resistance without using any backfilling materials in certain conditions
- M1 Fire Rating according to NF P 92-501 radiation test
- Good unprimed adhesion to most common construction substrates.
- Easy to apply
- Remains flexible
- Paintable
- Non-slump

3 - Application Areas

- For sealing steel ducts, duct trays, cables, and cable trays.
- For filling joints in fire-resistant applications.

4 - Storage and Shelf Life

Packaging	310 ml , 600 ml
Shelf Life	15 months
Storage Conditions	Store in cool and dry conditions between +5°C and +25°C
Color	White

5- Technical Properties

	Method / Condition	Value
Basis		: Acrylic Dispersion
Consistency		: Paste
Specific Gravity	(ASTM D 412)	: 1.54 ± 0.03 gr/ml
pH		: 7,5-9
Tack-Free time	(23°C ve %50 R.H.) (ASTM C 679-03)	: 15-30dk
Curing Rate (mm/day)	(23°C ve %50 R.H.)	: Min. 2 mm/ day
Shore A hardness		: 40 ±5
Elongation	(ASTM D 412)	: >% 100
Tensile Strength	(ASTM D 412)	: ≥ 0,4 N/mm ²
Application Temperature		: +5°C ile +40°C
Volume Shrinkage	(ASTM D 412)	: %10-15

Consumption (approx.)

Application Width	5mm	10mm	15 mm	20 mm	25 mm
Application Depth	3mm	5mm	8 mm	10 mm	12 mm
Efficiency /310 ml	20 meters	6 meters	2,5 meters	1.50 meters	1 meters

6 – Standards

- The French VOC requirements for class A+
- M1 Fire Rating according to NF P 92-501 radiation test
- The requirements of VOC content specifications in LEED credit EQc4.1 “Low-emitting products” of SCAQMD rule 1168.
- More than 4 hours Fire resistance without using any backfilling material according to EN 1366-4 under certain conditions.

7- Instructions

- The joints must be clean and free from dust, grease and rust.
- No primer is required for non-porous surfaces. On porous surfaces such as concrete, stone, cement and plaster a primer (mixture of one part acrylic sealant and 4-5 parts of water) can be applied.
- Min/max joint width must be 5mm/25mm. The recommended joint depth/width ratio is 1 to 2.
- Application temperature is between +5 °C and +40 °C.

- Immediately after the application, smooth the sealant at once with wet finger or a wet tool. Excess sealant can be removed by a wet cloth.
- Keep the sealed joint dry at least for two hours.
- Cured sealant can be removed mechanically

8- Restrictions

- Damp or humid conditions will significantly extend the cure time.
- Do not apply below 5°C

9- Safety & Disposal

For information and advice on the safe transportation, storage, and disposal of chemical products, users should refer to the most up-to-date Material Safety Data Sheet (MSDS), which contains physical, ecological, toxicological, and other safety-related data.

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