



Fire Block Acrylic Sealant

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.

Advantages:

- 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

Usage Areas:

- Sealing of joints and seams, or at certain areas where requirements for fire resistance are mandatory

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.

How to use:

- 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 0,2in/1in. The recommended joint depth/width ratio is 1 to 2. Application temperature is between +41°F and +95°F.
- 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.

Consumption (approx.):

Width	Depth	Efficiency /10,1 oz
0,2in	0,1in	65,6ft
0,4in	0,2in	19,7ft
0,6in	0,3in	8,2ft
0,8in	0,4in	4,9ft
1,0in	0,5in	3,3ft



Limitations:

- Should not be used for sealing joints permanently exposed to water.
- It should not be applied in case of risk of rain or frost.

Safety

Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Store in a well-ventilated place. Keep cool. Check MSDS guidelines for disposal and further information concerning safety.

Shelf Life:

The shelf life is 15 months if stored in unopened-original package in a dry place at temperatures between +41°F and +77°F.

Packaging (Weight/Volume):

10,1 oz (White). 12pcs in a box.

Physical & Chemical Properties

Chemical Structure: Acrylic Dispersion

Consistency: Smooth Paste

pH: 7,5-9

Density: $1.62 \pm 0,03$ g/ml (ASTM D 792)

Hardness Shore A: 45 ± 5 (ISO 868)

Skin Time: 15 - 30 min. (73°F and 50% R.H)

Curing Rate: Min. 0,1 inch/day (73°F and 50% R.H)

Tensile Strength: ≥ 58 PSI (ASTM D 412)

Elongation at Break: $\geq 100\%$ (ASTM D412)

Volume Shrinkage: 10-15%

Application Temperature: +41°F to +95°F