

## COMPANY INFORMATION

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## PRODUCT NAME

ABC FIRESTOP SEALANT

## DESCRIPTION

**ABC Firestop Sealant** is a single component water-based, fire rated acrylic sealant. It seals joints to prevent the passage of flammable gases and toxic smoke in compartment walls and floors up to 4 hours. It adheres to most construction materials and is applicable for areas where fire resistance is mandatory.

## CLASSIFICATION STANDARD

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

## PROPERTIES

- 4 hours fire resistance
- Intumescent
- Easy to apply
- Paintable after full curing time
- Good adhesion to most building materials without primer
- Remains flexible
- Water-based, environment friendly
- Weather resistant after full curing time
- Non-slump

## COLOR

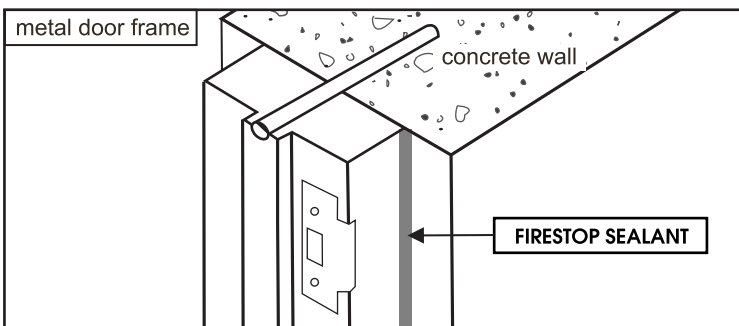
White

## TECHNICAL DATA

PROPERTIES	RESULTS
Basis	Acrylic Dispersion
Consistency	Smooth Paste
pH	7.5 - 9
Specific Gravity	1.58 ± 0.03 g/cm <sup>3</sup> (ASTM D 792)
Tack-Free Time	15-30 minutes (23°C & 50% R.H) (ASTM C 679-03)
Curing Rate (mm/day)	minimum 2 mm/day (23°C & 50% R.H)
Shore A Hardness	40 ± 5 Shore A
Elongation	> 100% (ASTM D 412)
Tensile Strength	≥ 0.4 N/mm <sup>2</sup> (ASTM D 412)
Application Temperature	+5° C to +40° C
Volume Shrinkage	10-15% (ASTM D 412)

These figures are intended as a guide only & should not be used in preparing specifications.

## SECTIONAL DETAIL



## APPLICATION AREAS

- sealing of joints and seams
- cable tray penetrations
- metal pipe penetrations
- brick wall
- concrete
- insulation in joint gaps of various main materials such as dry wall and metal used for the purpose

## SURFACE PREPARATION

The surface that will be in contact with the sealant must be clean, dry and free of paint and contaminants such as dirt, dust, rust, loose material oils and chemicals.



**TIP:** Protect surrounding areas with masking tape to ensure a clean and professional application. Remove tape before sealant dries.

## APPLICATION

1. Use a standard caulk gun to dispense the sealant. Hold the caulk gun at a 45° angle while pulling the gun towards yourself.
2. Tool immediately using a spatula or dip your finger in soapy water to further push the sealant into the gap, to smoothen out seams and to ensure proper bonding. Sealant will begin to skin on the exposed surface after 30 minutes and curing will progress inward. Depending on weather condition, applied sealant is paintable after 24 hours. Ensure sealant is in contact with both sides of joints to fill the gap. If necessary, use foam backer rods to control the depth of the sealant. Remove excess sealant from surface with flat knife or spatula.



**After application, keep sealed joints protected from water exposure. Not intended for areas with constant or permanent water exposure or immersion.**

## COVERAGE (approx.)

Application Width	5mm	10mm	15mm	20mm	25mm
Application Depth	3mm	5mm	8mm	10mm	12mm
Coverage Area	20m	6m	2.5m	1.50m	1m

Note: Minimum / maximum joint width 5mm / 25mm (recommended joint depth / width ratio is 1:2)

## PACKAGING

300ml plastic cartridge

## STORAGE &amp; SHELF LIFE / WARRANTY

When stored in a cool, dry place at temperatures between +5°C & +25°C and in its original, unopened packaging, ABC Firestop Sealant will remain usable one year from date of manufacture. Due to variety of applications, different working methods and the various properties of bases, we cannot assume responsibility or liability with regard to the application of our products. Our guarantee and liability are restricted to the quality of our products at the time of acceptance of the customer of such products. In no case shall our liability extend beyond replacement of defective products, if any, found at the time of acceptance. For all deliveries and services, our General Sales Condition including warranties stipulated for each case are valid.

