



DESCRIPTION

DURASIL FR Firestop Sealant is a flexible medium modulus acrylic-based joint and penetration sealant for indoor and covered outdoor use. With incorporated high solid Firestop compound, it effectively seals joints and seams in compartment walls & floors against the spread of fire, smoke, toxic gases and water up to 4 hours. It adheres to most construction materials and is applicable for areas where fire resistance is mandatory.

CLASSIFICATION STANDARD

- The French VOC requirements for class A+
- M1 Fire Rating according to NF P 92-501 radiation test
- More than 4 hours Fire resistance without using any backfilling material according to EN 1366-4 under certain conditions.

PROPERTIES

• 4 hours fire rated	• Intumescent
• Fire resistant	• Water-based
• Weather resistant	• Non-corrosive
• Non-slump	• Low shrinkage
• Stays flexible	• Non-staining to the substrate
• Paintable after curing	• Medium modulus
• Room temperature cure	• One component sealant
• Easy to apply	• Tack-free after curing
• Low VOC levels	• Strong unprimed adhesion to most common construction substrates

TECHNICAL DATA

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

PROPERTIES	RESULTS
Basis	Acrylic Dispersion
Consistency	Smooth Paste
pH	7.5 - 9
Specific Gravity	1,58 ± 0,03 gr/cm ³ (ASTM D 792)
Tack-Free Time	15-30 min (23° C and 50% R.H.)(ASTM C 679-03)
Curing Rate (mm/day)	Min.2 mm/day (23° C and 50% R.H)
Shore A Hardness	40 + 5 Shore A
Elongation	> 100% (ASTM D 412)
Tensile Strength	> 0,4 N/mm ² (ASTM D 412)
Application Temp.	+5° C to +40° C
Volume Shrinkage	10-15% (ASTM D 412)



APPLICATION AREAS

Sealing of joints and seams in compartment walls & floors, or at certain areas where requirements for fire resistance are mandatory

- | | |
|---------------------|-------------------------|
| • cable service | • ducts |
| • pipes | • service trays |
| • conduits | • expansion joints |
| • mouldings | • wall & ceiling joints |
| • perimeter sealing | • fire rated doors |

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 +35 °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.

Restrictions

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

Safety & Disposal

Bears no imminent risk to health. Check MSDS guidelines for disposal and further information concerning safety.

PACKAGING

300 ml plastic cartridge

STORAGE & SHELF LIFE / WARRANTY

When stored in a cool dry place & in its original unopened packaging, DURASIL FR Sealant will remain usable one year if stored in unopened-original package in a dry place at temperatures between +5°C and +25°C. 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.