

Selleys Fireblock PA

Description

Selleys Fireblock PA is a low modulus, intumescent, Polyurethane Modified Acrylic fire and acoustic rated sealant for perimeter and penetration seals in fire rated construction.

NOTE: Prior to application of fire rated products, consult with the project fire certifier or engineer to ensure compliance with certification requirements.

Product Information

Packaging	Size	Colour
Sausage	600ml	Grey

Uses

Fireblock PA is suitable for internal and external use (see limitations) in non-trafficable control joints in concrete, masonry, brick, and plasterboard in fire rated construction.

It can also be used for penetrations and perimeter sealing in concrete, plasterboard, and aerated concrete. Sealing in conjunction with fire collars, pillows and dampers is also possible.

Fireblock PA is also applicable for acoustic sealing between most common building materials such as concrete, masonry, plasterboard, fibre cement, metals, timber and plastic as part of a suitable design.

Features

- Fire rated for up to 4 hours
- Will not degrade the acoustic performance of building elements rated up to 67Rw.
- Contains UV indicator.
- Excellent adhesion to most building materials
- Paintable
- Water clean-up
- Low VOC
- Solvent, Isoyanate and Carcinogen Free

Technical Details

Property	Typical Result
Technology	Polyurethane Modified Acrylic
Colour	Light Grey
Density	1.5 approx.
Viscosity (Brookfield Viscometer)	12,000 Poise approx.
Application Temperature	10°C - 35°C
Skin Time 23°C / 50% RH	30 mins approx.
Elongation at break (ASTM D412)	900% approx.
Tensile Strength (ASTM D412)	0.3 MPa approx.
Movement Capability (ISO 9046)	+/- 40%
Fire Rating (AS1530.4-2014)	Up to -/240/240
Acoustic Rating AS/NZ ISO717-1 (C; Ctr)	Rw 67 (-1; -3)
Indicative data only, not intended for preparation of specifications	

Surface Preparation

Ensure substrates are clean, dry, and free from oil, grease, release agents, dust and loose material.

Directions for Use

The following should only be used as a guide and the installer should apply all Australian Standards, BCA/NZBC requirements, and best practices when using Fireblock PA.

Cut tip of sausage. Insert in caulking gun and attach nozzle. Cut nozzle to size required for joint.

Extrude sealant smoothly into joint, while ensuring that all substrates are well wetted out with sealant.

For fire rating, joint width should be between 10mm and 40mm. Minimum joint depth should be 10mm or half the width for joints wider than 20mm.

Install backing rod in joint to control sealant depth.

Allow the sealant to form a thick skin before painting with a flexible paint. To avoid paint

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cracking, the sealant should be allowed to fully cure before painting with flat and/or ceiling paint.

Note:

The sealant cures by water evaporation therefore cure rate is dependent on humidity, ambient temperature, and joint size. Typically, the sealant will form a thick skin within 24 hours and full cure can be expected after 7 days.

In humid or cool conditions, the sealant cure will be longer.

Tips

Minimum joint width and depth is 10mm.

For joint widths greater than 10mm, use a width to depth ratio of 2:1.

Wider joints can accommodate more total movement than narrow joints.

Always install suitable diameter backing rod (polyethylene or polyurethane foam rod) in joints to control sealant depth and ensure free movement of sealant. Open cell foam is recommended for faster curing of the sealant.

Sealant must adhere to sides of the joints only and NOT to the back, so that it is free to stretch.

To maximise durability in outdoor applications paint with a suitable exterior paint.

Limitations

- Not recommended for continuous submersion or below water line use.
- For exterior applications protect from rain until sealant has developed a thick skin and paint over with a good quality exterior paint.

Clean Up

Spills and tools can be cleaned up with water before product cures. To remove cured sealant, tools will need to be soaked in water followed by mechanical action.

Storage

Store in a cool dry place. Should not be stored below 0°C.

FIRE RATED COMPLIANCE

Fireblock PA has been tested in accordance with AS1530.4 – 2014. Full test reports and assessments are available on request.

ACOUSTIC COMPLIANCE

Fireblock PA has been tested in accordance with AS/NZ ISO 717.1:2004 with a sound insulation rating of R_w (C;Ctr) of 67 (-1; -3). Test reports opinions are available on request.

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Coverage

Estimation of lineal coverage per Fireblock PA sausage			
Joint Width (mm)	Joint Depth (mm)	Litre per lineal meter	Meters of Coverage
6	6	0.036	16.7
8	8	0.064	9.4
10	10	0.100	6
12	12	0.140	4.2
14	7	0.098	6.3
16	8	0.128	4.7
18	9	0.162	3.7
20	10	0.200	3
22	11	0.242	2.5
24	12	0.288	2.1
26	13	0.338	1.8
28	14	0.392	1.5
30	15	0.450	1.3
40	20	0.800	0.8

Warnings, First Aid and Shipping Information

This information can be located on the product SDS found through our website – www.selleys.com