

ArmourFlex™ (White, Grey, Black)

Description

Selleys ArmourFlex™ High Performance SMP Adhesive/Sealant Range provides superior strength and greater flexibility than conventional polyurethane sealants.

Product Information

Packaging	Size
Cartridge	465g
Sausage	600mL



Uses

Armourflex can be used as a joint sealant and multipurpose adhesive.

Joint Sealant: Can be used for vertical and horizontal joints on most indoor and outdoor surfaces. Suitable for use in trafficable joints.

Multipurpose adhesive: Suitable for bonding most building materials including timber, brick, concrete, tiles, metals and most plastics.

Technical Features

- Superior strength & instant grab
- No primer required
- Trafficable
- Adhesion to wet surfaces
- Fast curing
- Non-bubbling
- Better extrudability (>5°C)
- Long lasting flexibility
- Better curing (>5°C)
- No slump
- Paintable
- Low VOC

Technical Details

Property	Typical result
Appearance	Thixotropic paste
Colour	White, Grey, Black
Technology	Moisture curing silyl-modified polymer (SMP)
Shelf Life	+12 Months when stored unopened, in dry and cool conditions (below 30°C)
Application Temperature	5 to 35°C
Service Temperature	0 to 70°C
Shore A Hardness (DIN 53505)	40 ± 5
Elastic Modulus at 50% Elongation (DIN 53504)	0.70 ± 0.05 MPa
Tensile Strength at Break (DIN 53504)	Approx. 1.4 MPa
Elongation at Break (DIN 53504)	> 200%
Movement Capability (ISO9046 modified)	± 20%
Skin Time (23°C, 50% R.H.)	15 to 30 min
Tooling Time (23°C, 50% R.H.)	Approx. 15min
Cure rate (23°C, 50% R.H.)	Approx 3.0mm/24 hr
Sag/Slump	0mm
Indicative data only, not intended for preparation of specifications	

Approvals/Standards

Meets GBCA VOC limits for general purpose and architectural sealants

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Coverage

Joint Size (mm)	Metres per cartridge	Metres per sausage
6 x 6	7.9	16.7
8 x 8	4.5	9.4
10 x 10	2.9	6.0
12 x 12	2.0	4.2
15 x 7.5	2.5	5.3
20 x 10	1.4	3.0
30 x 15	0.6	1.3
40 x 20	0.4	0.8

How To Use

Surface Preparation: Ensure surfaces are clean and free of oil, grease or loose particles.

Porous surfaces should be prepared by grinding, brushing, wiping with a cloth or blowing off with oil-free compressed air. Any laitance should be removed from concrete-based surfaces.

Non-porous surfaces should be free of scale, rust or oxides. They can be degreased with a solvent such as MEK, acetone or mineral turpentine. Some degreasing solvents may leave a residue that should be removed.

To achieve neat joint use masking tape on both sides of the joint and remove tape before product skinning

Joint Design: Refer to below section.

Cartridge: Cut tip and attach nozzle. Insert into caulking gun. Cut nozzle to size required for joint.

Sausage: Cut end and slide into sausage gun. Attach nozzle to gun and cut to the required size.

Tooling: Use a soapy solution before skin formation.

Painting: Paintable with water-based paints after product skins. Allow longer times before painting in colder weather. Solvent-based paints may be used after first painting with a water-based-paint. Due to the large number of paints and varnishes available, a preliminary test of compatibility is recommended.

Joint design

Joint widths should be between 6 and 40 mm.

$\frac{\text{width}}{\text{depth}} = 1$ For joints up to 13 mm, the ratio of width to depth should be 1:1.

$\frac{\text{width}}{\text{depth}} = 2$ For joints greater than 13 mm, the ratio of width to depth should be 2:1.

A tight fitting non-absorbent, non-adhering backing material should be used to ensure the correct dimensions and prevent three-surface adhesion. Suitable materials include open cell polyethylene foam backer rod or bond-breaking tape.

Clean Up

Uncured product can be removed with mineral turpentine. Cured product can be removed with Selleys Silicone Remover or by mechanical action.

Handy Hints

In dry conditions, surfaces can be misted with water to speed up cure.

Limitations

Not for permanent water immersion or below water-line use

Not suitable for use on polyethylene, polypropylene or Teflon.

Warnings, First Aid and Shipping Information

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