

Flexseal NS196

Neutral cure silicone sealant (Formerly known as Aylaseal 196)



DESCRIPTION

Flexseal NS196 is a one-part Low Modulus neutral cure silicone sealant, which cures on exposure to moisture vapour to provide a waterproof, long lasting mold and mildew resistant sealant that will not shrink, crack or yellow over time.

Flexseal NS196 adheres to most common kitchen and bath materials including glass, granite, ceramic and porcelain tile, natural stone, concrete, cement board, aluminium, hard PVC, painted surfaces, wood and different metal finishes such as bronze, nickel and chrome.

APPLICATIONS

- › Perimeter seals in kitchens, bathrooms, windows, doors, plumbing, gutters and around glass panels and windows.
- › Weather-resistant and can be used for sealing glass curtain walls.

ADVANTAGES

- › Single component ready for use.
- › 25% movement accommodation factor.
- › UV resistant, does not yellow over time.
- › Excellent sagging and weathering characteristics.
- › Mold and mildew resistant.
- › Low odor.
- › Durable, long service life.
- › Excellent adhesion to most building substrates.
- › Available in a range of colours.

STANDARDS

Flexseal NS196 complies with:

- › ASTM C920, Type S, Grade NS, Class 25, Use T, NT, I, M, G, A and O.
- › BS EN ISO11600, F25 LM.
- › BS 5889, Type A:1989.

METHOD OF USE

JOINT PREPARATION

The joint surfaces must be clean, dry and free from all contamination. Primers may be required on some substrates.

TECHNICAL PROPERTIES:

Colour:	Clear White and black <i>other colours are available upon request</i>
Consistency:	Soft paste
Elongation: ASTM D412	> 300%
Density:	1.00 ± 0.05 g/cm ³ (for clear) 1.50 ± 0.20 g/cm ³ (for coloured)
UV resistance:	Very good
Skin time:	5 - 15 min (for clear) 15 - 60 min (depending on colour)
Shore A hardness: ASTM D2240	30 ± 5 (for clear) 40 ± 5 (for coloured)
Tensile strength: ASTM D412	≥ 1.4 MPa
Service temperature:	-20 up to 80°C
Application temperature:	5 to 50°C
Chemical resistance:	Resistant to most alkalis and dilute acids. Organic solvents may cause the sealant to swell and lose adhesion, but do not directly dissolve the sealant
Service life:	+25 years
Curing rate:	2 mm/24 hr
VOC:	< 50 g/ltr

JOINT BACKING

Where applicable, appropriate joint filler such as closed cell polyethylene foam, should be used to provide the correct joint depth. It is recommended to cut the nozzle at a minimum of 6 mm size for ease of extrusion.

APPLICATION

Flexseal NS196 is supplied in cartridges and can be applied into the joint using a skeleton gun. Cut-off the cartridge top then the nozzle to required size.





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Attach the nozzle to the cartridge. Extrude the sealant firmly against the joint surfaces to ensure complete contact.

Tool the sealant into the joint to compact and achieve a good surface finish. Tool within the skin time of the sealant, depending on the ambient temperature.

It is recommended to use masking tape on each side of the joint to maintain a clean and uniform joint sides. Remove the masking tape directly after tooling the sealant.

PACKAGING

25 x 280 ml plastic cartridges. Polyethylene nozzles are included in each box.

SEALANT QUANTITY ESTIMATOR

Joint size mm	Meters per litre
6 x 6	27.75
9 x 6	18.50
12 x 9	9.25
18 x 10	5.55
25 x 10	4.00

REMARKS

- » The cured sealant is resistant to stain-causing mold and mildew. However, regular cleaning of the surface of the sealant is required, as soap and other residue can cause secondary mold and mildew growth.

STORAGE

Flexseal NS196 has a shelf life of 9 months from date of manufacture if stored in original unopened packages stored in a cool, dry place out of direct sunlight (at temperatures below 30°C).

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

CAUTIONS

HEALTH AND SAFETY

Avoid prolonged contact with the skin. If sealant comes into contact with the eyes, flush with copious volumes of cold water and obtain medical attention.

For further information refer to the Material Safety Data Sheet.

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Note:

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