

Flexseal NS196

Neutral cure silicone sealant



Description

Flexseal NS196 cures at room temperature under the action of atmospheric moisture to give a permanently flexible silicone rubber.

Applications

- ▲ Sealing of low stress connection and expansion joints in the building industry.
- ▲ Sealing of low stress joints in sanitary areas like e.g. bathrooms and kitchens.
- ▲ Sealing of low stress perimeter joints.

Flexseal NS196 is suitable for sealing and joining constructions of glass, tiles, ceramic, glazed tiles, metals (aluminum, steel, cast iron, galvanized sheet), plastics (PVC, epoxides, polystyrene, polycarbonate), raw wood (pine), brick, concrete, plaster, drywall and clinker tile.

Advantages

- ▲ Primer-less adhesion to most common substrates of the building sector.
- ▲ Non-sag.
- ▲ Good weathering resistance.
- ▲ Low odor.
- ▲ Non-corrosive to metals.
- ▲ Suitable for alkaline substrates such as concrete, mortar, fibrous concrete.

Standards

Flexseal NS196 complies with:

- ▲ EN 15651-1 F-EXT-INT-CC.
- ▲ EN 15651-2 G-CC.
- ▲ EN 15651-3 S, S1

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 @ 25°C, 50%RH:

Colour:	Transparent
Density:	0.99 ± 0.02 g/cm ³
Application temperature:	+5° to +40°C
Hardness, Shore A: ISO 868	18 ± 2
Skimming time:	5 - 30 min
Curing rate:	2 - 3 mm/day
Elongation at break: ISO 8339	150 ± 50%
Tensile strength: ISO 8339	> 0.2 MPa
Elastic recovery: ISO 7389	90 ± 5%
Movement accommodation: ISO 9047	± 25
Service life:	+25 years
Temperature variations resistance:	-40°C to +120°C
UV Resistance:	Very good
VOC:	< 5 g/ltr

Joint Backing

Where applicable, appropriate joint filler e.g. closed cell polyethylene foam, should be used to provide the correct joint depth.

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 (preferably at a 45° angle) to form an opening proportional to the joint width.

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

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Tool the sealant into the joint with the use of spatula or by finger to compact and achieve a good surface finish. Tool within 5 minutes from the application of the sealant.

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.

Limitations

- ▲ The width of the joint must be neither less than 6 mm, nor more than 25 mm.
- ▲ Flexseal NS196 must not be used as a secondary sealant in insulating glass units.
- ▲ Flexseal NS196 must not be used for structural glazing bonding.
- ▲ Flexseal NS196 is not suitable for use on natural stones, such as marble, granite, quartzite and sandstone.
- ▲ Flexseal NS196 is not suitable for food contact applications.
- ▲ Flexseal NS196 is not suitable for the long-term use under water.
- ▲ Flexseal NS196 is not suitable for bonding Aquariums and terrariums.
- ▲ Flexseal NS196 is not suitable for application on PE (Polyethylene) and PP (Polypropylene), no adhesion.
- ▲ Do not apply on sensitive metals, for example copper and its alloys and silver steel of mirrors.

Packaging

Flexseal NS196 is available in 280 ml cartridges, 12 pcs in a box. Polyethylene nozzles are included in each box.

Storage

Flexseal NS196 should be stored in original unopened packages at temperature between +5°C and +30°C in a dry place.

Shelf Life

Flexseal NS196 has a shelf life of 12 months from date of manufacture if stored under the recommended conditions.

If these conditions are exceeded, contact DCP Technical Department for advise.

Cautions

Health and Safety

Contact with eyes must be completely avoided. In such case wash with copious volumes of water. Keep it away from children.

For further information, refer to the Material Safety Data Sheet.

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- ▲ Concrete admixtures.
- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.

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Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

