

Donseal® NS196

Neutral cure silicone sealant



DESCRIPTION

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

Donseal 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.
- » 30 minutes rain/shower ready.
- » Does not shrink.
- » 100% waterproof.
- » Excellent adhesion to most building substrates.
- » Available in a range of colors.

STANDARDS

Donseal NS196 complies with ASTM C920, Type S, Grade NS, Class 25, Use G.

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:

Color:	Clear & white (available in other colors upon request)
Consistency:	Soft paste
Elongation: ASTM D412	> 300%
Specific gravity:	1.00 ± 0.05 (for clear) 1.50 ± 0.05 (for colored)
Curing rate:	2 mm/24 hr
UV resistance:	Very good
Skin time:	15 - 25 min (for clear) 20 - 30 min (for colored)
Shore A hardness: ASTM D2240	35 ± 5
Tensile strength: ASTM D412	≥ 200 psi (1.4 MPa)
Service temperature:	-4 up to 175°F (-20 up to 80°C)
Application temperature:	40 to 120°F (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
VOC:	< 30 g/ltr (comply with LEED)

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

Donseal NS196 is supplied in cartridges and can be applied into the joint using a skeleton caulking gun. Cut-off the cartridge top then the nozzle at 45° angle to the required bead size.





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Attach the nozzle to the cartridge. Extrude the sealant firmly into the joint surfaces using the skeleton caulking gun 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.

CLEANING

Uncured sealant can be removed immediately using mineral spirits or paint thinner, cured sealant should be removed mechanically.

PACKAGING

Available in 10.1 fl. oz. (300 ml) cartridges.

CONSUMPTION IN JOINTS

(Lineal feet per 10.1 fl. oz. cartridges)

Width \ Depth	1/4"	3/8"	5/8"	3/4"	15/16"
1/4"	24.4	16.3			
3/8"			6.5	5.4	4.3
5/8"					2.6

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

Donseal 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 between 40°F and 85°F (5°C and 30°C).

If these conditions are exceeded, contact DCP Technical Department 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.

WARRANTY

Unless expressly stated otherwise in the Sales Documents, the Limited Warranty shall expire on the expiry date listed on the Product's label or packaging. The full text of DCP's limited warranty is found in DCP's standard terms and conditions of sale (the "Terms"), which are available at [DCP Website/USA – Terms & Conditions](#). DCP's limited warranty is in all cases subject to, and conditioned upon, the Terms.

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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.

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