

Building Silicone 376

MULTIPURPOSE NEUTRAL SILICONE

PRODUCT DESCRIPTION

PENOSIL Building Silicone 376 is a one-part, low modulus, neutral cure silicone sealant, that reacts with the atmospheric moisture producing a flexible rubber extremely resistant. It does not contain corrosive or strong smell additives.

PENOSIL Building Silicone 376 preserves all properties of elasticity and adherence with no ageing problems, remaining stable in front of atmospheric agents.

PENOSIL Building Silicone 376 contains a fungicide additive which protects the silicone against fungal and bacterial growth.

MAIN BENEFITS

- Permanently elastic.
- High movement capability.
- Excellent adhesion to a wide range of substrates without priming.
- Very good weathering, ageing and UV-resistance.
- Anti-mildew protection.
- Odourless.
- Non-corrosive to metals.
- Indoor and outdoor.
- Extremely long service life.
- Very easy to apply and tool.
- No staining or colour changes.

PRODUCT CERTIFICATIONS

PENOSIL Building Silicone 376 meets the following specifications:

- CE Marking: EN 15651-1 F-EXT-INT-CC
EN 15651-2 G-CC
- UKCA Marking: BS EN 15651-1 F-EXT-INT-CC
BS EN 15651-2 G-CC

PACKAGING INFORMATION

This product is available in 280 ml cartridges (24 u./box, 56 boxes/pallet)

* European pallets: 120x80 cm

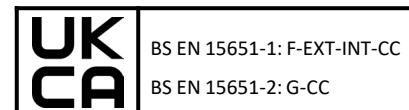
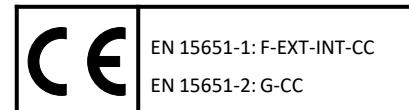
Other packaging is available under request.

COLOURS INFORMATION

Translucent, white and grey.
Other colours are available on special order.

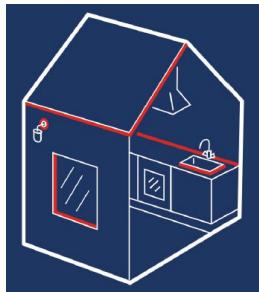
STORAGE

The shelf life is 12 months in its unopened original packaging, in dry conditions and protected from direct sunlight at temperatures between +5°C and +25°C.



PENOSIL Building Silicone 376

FIELDS OF APPLICATION



- Perimeter and connection joints for aluminium, wood and PVC carpentry.
- Sealing of joints between porous and non-porous substrates, including concrete, masonry, brick, wood, aluminium (lacquered, anodized, painted,...), PVC, glass, ceramics and most plastics.
- Glazing weathersealing of windows.
- Sealing of precast concrete wall units.
- All finishing, sealing, sanitation and ventilation work.

TYPICAL TECHNICAL DATA

Basis:	Neutral oxime silicone
Consistency:	Non-slump paste
Specific gravity:	(ISO 2811-1) Approx. 0,97 g/ml (Trans & White) Approx. 0,97 g/ml (Colours)
Tack free time:	(OQ.06-internal) Approx. 5 minutes (at 23°C; 50% R.H.)
Skin forming time:	(OQ.16-internal) 5-10 minutes (at 23°C; 50% R.H.)
Curing rate:	(OQ.18-internal) Approx. 3 mm/24 h
Resistance to flow:	(ISO 7390) Approx. 0 mm (at 5°C and 50°C)
Elastic recovery:	(ISO 7389) > 80% (at 100% elongation)
Loss of volumen:	(ISO 10563) < 30%
Movement capability:	(ISO 9047) ± 25%
Shore A hardness:	(ISO 868) Approx. 19 (Trans & White) Approx. 27 (Colours)
Application temperature:	+5°C to +40°C
Service temperature:	-40°C to +150°C
Tensile properties:	
ISO 37 (2mm thickness, S2 dumbbells, 7 days, 23°C;50% R.H.)	
E-Modulus 100%	0,35 Mpa (Trans & White) 0,50 MPa (Colours)
Tensile strength	1,10 Mpa (Trans & White) 1,50 Mpa (Colours)
Elongation at break	600% (Trans & White) 550% (Colours)

These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. The time until complete curing may be extended at lower temperature, lower humidity or increasing film thickness.

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DIRECTIONS FOR USE

Surface preparation and sealant application

A. Cleaning and joint preparation:

Substrates (joint flanks) must be clean, dry, and free of dust, grease and other contaminant which may affect the adhesion. Non-porous surfaces (such as aluminium, glass, etc.) should be cleaned with a suitable solvent and thoroughly dried with a clean cloth. Porous substrates (such as concrete, brickwork, etc.) must be mechanically cleaned from loose particles. If necessary, the adjacent surfaces of the joint should be protected with masking tape to avoid staining.

B. Primer:

PENOSIL Building Silicone 376 adheres to most common construction materials without primer, however, a preliminary adhesion test is recommended on every surface. Sometimes it may be necessary to treat the surfaces with a primer to obtain better adhesion performances. Please contact us for technical assistance.

C. Inserting backing material:

In wider joints, use the closed cell polyethylene backer foam PENOSIL Backer Rod PE 450 as a back-up material to ensure the sealant joint's correct thickness, to limit the sealant joint depth and to avoid three-sided adhesion. Choose the right backing strip diameter (at least 25% wider than the joint width).

D. Silicone sealant application:

After substrate preparation, apply the sealant in the joint by repeatedly and evenly with a professional caulking gun. Observe the eventually used primer's open time before filling the joint.

E. Tooling and finishing:

The joint should be tooled and smoothed before skin formation. Press the sealant and smooth it ensuring good contact with the surfaces to seal. Use neutral soapy water as a tooling agent and remove excess material. Remove masking tape.

Uncured product may be easily removed with solvents such isopropyl alcohol or "white spirit". Cured sealant must be removed mechanically.

Remarks

Do not use PENOSIL Building Silicone 376 on bituminous substrates or on building materials which might bleed oils, plasticizers or solvents. (e.g. rubber, chloroprene, EPDM, ...).

There is no adhesion to PE, PP, PTFE (Teflon®). Due to the wide variety of possible substrates, we recommend a preliminary compatibility test.

PENOSIL Building Silicone 376 cannot be overpainted.

Not intended for structural glazing.

Non suitable with natural stone.

Safety

Uncured product has to be used in well ventilated areas, avoiding skin and eye contact. Keep out of the reach of children.

The information regarding the safety of the product is available on safety data sheet (SDS). Before using the product, we recommend to read carefully the SDS and the safety labels.

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GUARANTEE INFORMATION

WOLF GROUP warrants that its product complies, within its shelf life, to its specification.

If any responsibility were to be considered ours, this would be only for any damages and for the value of the merchandise supplied by us and used by the customer. It is over understood that we warranty the irreproachable quality of our products in accordance with our General Conditions of Sales and Supply.

Liability

The information in this document, in particular recommendations regarding the application and final use of our products, are given in good faith based on our knowledge and is the result of tests and experience and are intended as guidelines. It is the responsibility of the user to determine whether the product is suitable for the application. Due to the great variety of materials and conditions, which are beyond our knowledge and control, we recommend carrying out sufficient previous trials.

The property rights of third parties must be respected.

TECHNICAL DATA SHEET
Penosil Building Silicone 376
v01 - 04.2023

This TDS replaces and supersedes all previous data sheets on the same product.

penosil.com