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Silikon 2992



Moisture curing Alkoxy type, highly elastic, low modulus sealant. Good adhesion to most building materials without primer.

Is mainly intended for use in bathrooms, kitchens and other places with high humidity but can also be used outdoor.

- **Anti-mold treated silicone sealant for wet areas**
- **Low odour environmentally friendly silicone**
- **Excellent tooling characteristics for professional use**
- **Has excellent outdoor weather, UV and water resistance**

Product	Product No.	Colour	NCS-S Number
Silikon	2992	Transparent	
Silikon	2995	Black	S 9000-N
Silikon	2996	Light grey	S 2000-N
Silikon	2998	White	S 0603-G40Y

It is strongly recommended to use cartridges/sausages with the same batch number, since slightly colour variations may occur from different production batches.

TECHNICAL DATA

Basis: Alkoxy silicone

Curing system: Alcohol releasing moisture cure. A minor amount of ethanol is released during vulcanization.

Solvent: none

Consistency: Gun-grade thixotropic

Density: Approx. 1010 kg/m³

Hardness: Approx. 24 Shore A

Joint movement capability: 25%

Service temperature: -40°C to +150°C

Standards:

EN 15651-1; 2012, F EXT-INT CC

EN 15651-2; 2012, G CC

EN 15651-3; 2012, S

Class 20LM

Tensile strength: 0,70 MPa

100% Module according to ISO 8339: 0.37 MPa

Elongation: 300 %

APPLICATION DATA

Application temperature: +5°C - +40°C

Humidity limits: Minimum 30 % RH

Tools: Sealant gun

Tooling agent: Water with a small amount of soap/detergent

Joint width: 5-30 mm

Skin formation time: 10-35 minutes (23°C/50%RH)

Elongation: 25 %

Curing time: Approx. 2 mm the first 24 hours.

Storage life: At least 18 months if stored in a cool (below 25°C) dry place in moisture tight cartridge.

After 18 months the reactivity will gradually decrease and will result in an insufficient curing of the sealant. Check the production date and if exceeded pre-test the curing time.

PAINTABILITY

Not paintable

SURFACE PREPARATION

Joint interface must be clean, dry and free from oils,



loose aggregates, laitance, release agents, waterproofing and other contaminants.

A thorough wire brushing, grinding, sand blasting or solvent cleaning may be required to expose clean, sound surfaces. Apply a joint backing rod of foamed polyethylene that is approx. 25 % wider than the joint. If the available space does not allow a backing rod, prevent adhesion to the bottom of the joint by other means, e.g. with polyethylene tape.

APPLICATION

After the joint is properly prepared, apply the sealant using a caulking gun. Cut the nozzle at an angle and less than the width of the seam. Material must be pressed firmly into the joint to assure complete wetting of the bonding surface. Immediately after application tooling is recommended to ensure firm, full

contact with joint sides. The surface can be smoothened with a wet sealant tooling stick or/and sponge.

Take care not to contaminate open joint with water. Use pure water or water with a small amount of soap/detergent. Too much soap can affect the tack free time.

DIRECTIONS FOR USE

Both curing and adhesion is dependent on sufficient amount of moisture. If Silikon is applied under dry conditions or between watertight materials, extra time or moisture might be necessary to obtain optimum cure and adhesion.

See below table for recommendation of pre-treatment on different materials.

METAL	The adhesion is good to unionized and lacquered aluminium, fresh copper, stainless steel. Iron and galvanized steel should be primed and/or painted before sealing.
WOOD	Lacquering or painting before sealing is recommended. A primer is recommended at humid and wet conditions.
GLASS	Silikon bonds perfectly to glass. Always clean the glass by wiping with ethanol or acetone (avoid contact with coatings e.g. with window frames)
PLASTICS	The adhesion to hard PVC, plasticized PVC ^x , polystyrene, ABS, polycarbonate, polyacrylate ^x , polyamide and epoxy is good.
POROUS	On porous material like concrete and fresh bricks it is recommended to always use a primer. It is especially important for expansion joints e.g. for the concrete when installing aluminium windows.

^x It is recommended to make pre-tests.

TOOLING

Immediately after application the compound is pressed into good contact with the sides to ensure complete wetting of the bonding surfaces. Smooth the sealant with a trowel or a smooth, moist tooling stick.

HANDLING AND CLEANING INSTRUCTIONS

Remove all excess sealant adjacent to joint and on equipment prior to cure with a rag. White spirit or technical ethanol is used if necessary. Seal Remover 3987 is recommended if the sealant has cured, otherwise cured sealant is removed mechanically. On skin, uncured sealant is wiped off with a rag, then wash with soap and water.

Keep out of reach of children.

Do not empty into drains.

MAINTENANCE

We recommend using Silikon for elastic joints in wet space areas. This product contains a mould retardant, which will protect against mildew attack. However, the joint must be cleaned and maintained regularly for proper function:

After shower or bath all joints should be rinsed from residues of shampoos or soaps etc. Keep the wet space area as dry as possible by using proper ventilation. The joints should be cleaned with normal house hold cleaning agents as a part of normal cleaning routines, depending on load of use.

If the joint has been discoloured or a mildew attack has occurred, it might be necessary to clean the joint by using a detergent containing chlorine e.g. Chlorine or with a mildew cleaner.

If a severe mildew attack is present cut out the damaged area and re-caulk. Avoid cutting through the

Our information is based on laboratory tests and practical experience and may, as such, be considered a guide in connection with choice of product and working method. As the user's working conditions are beyond our control, we do not assume any responsibility for the results. Our responsibility covers exclusively personal injury or damage to property which actually have been proved subsequent to faults and defects in one of the products manufactured by us.

Certifierad enligt:



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water sealing membrane beneath.

LIMITATIONS

Light colors as white and light grey of Silikon may get yellow by;

Contact with some materials

Curing in rooms without windows

Curing when painting is done with Alkyd paint system

When there is newly laid hardwood flooring in connecting rooms

When there is newly varnished or oiled floor in connecting rooms.

If cleaning were done with special cleaning agents

If overdose of detergent

In areas with poor ventilation

In such conditions we recommend to use AquaSeal Våtrumsfog.

Silikon should by no means be used as an adhesive e.g. mirror bonding, only for sealing.

The product is not recommended to aquariums, use Casco Glass Silicone instead.

Solvents, especially aromatics like toluene will cause swelling and deterioration of the sealant.

Also petrol and diesel oil have this effect. Strong acids and bases will destroy the sealant.

Due to the risk of dirt pick up around the joint Silikon must not be used to seal connecting and expansion joints between non-porous siliceous materials such as tiles or ceramics in facades.

Greasy plastics like polyethylene, polypropylene as well as Teflon cannot be glued.

ENVIRONMENTAL ASPECTS

For additional health and safety information consult the Safety Data Sheet.

Silikon has certificate for EC 1 plus with license number: 5417/24.02.97.

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