

PRODUCT DATA SHEET

Casco[®] Sanitary Silicone

Moisture curing Alkoxy type, highly elastic, low modulus sealant.



DESCRIPTION

Good adhesion to most building materials without primer.

USES

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

CHARACTERISTICS / ADVANTAGES

- 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

APPROVALS / CERTIFICATES

EN 15651-1; 2012, F EXT-INT CC
EN 15651-2; 2012, G CC
EN 15651-3; 2012, S

PRODUCT INFORMATION

Composition	Alkoxy silicone
Packaging	300 ml cartridge
Colour	Please contact our customer service, for information of which colors are sold in Denmark.
Shelf life	18 months in unopened cartridges
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +25°C. Always refer to packaging.
Density	Approx. 1010 kg/m ³
Viscosity	Gun-grade thixotropic
Volatile organic compound (VOC) content	None

TECHNICAL INFORMATION

Shore A hardness	Approx. 24 Shore A
Tensile strength	Approx. 0,70 MPa

Modulus of elasticity in tension	100% Module according to ISO 8339: 0.37 MPa	
Elongation	300 %	
Service temperature	-40°C to +150°C	
Joint design	Joint width: 5-30 mm	
	METAL	The adhesion is good to bond 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 where final exposure is in humid and wet conditions.
	GLASS	Casco® Sanitary Silicone 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 is good to hard PVC, plasticized PVCx, polystyrene, ABS, polycarbonate, polyacrylate, polyamide and epoxy.
	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.
Sika® Primer-3N is recommended as primer. It is recommended to make pre-tests.		

APPLICATION INFORMATION

Substrate temperature	Application temperature +5°C - +40°C
Substrate moisture content	Humidity limits: Minimum 30 % RH
Curing time	Approx. 2 mm the first 24 hours.
Skinning time	10-35 minutes (23°C/50%RH)

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

FURTHER INFORMATION

MAINTENANCE

We recommend to use Casco® Sanitary Silicone 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 ventila-

tion. The joints should be cleaned with normal household 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 water sealing membrane beneath.

IMPORTANT CONSIDERATIONS

LIMITATIONS

Light colors as white and light grey of Casco® Sanitary Silicone 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

If such conditions are present, we recommend to use Casco® AquaSeal Våtrumsfog.

- Casco® Sanitary Silicone 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 Casco® Sanitary Silicone 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.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE 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 METHOD / TOOLS

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.

TOOLS: Sealing gun

CLEANING OF EQUIPMENT

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.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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