

PRODUCT DATA SHEET

Casco® WindowSeal Fönsterfog

White SMP-based moisture curing highquality and elastic sealant for glazing and as joint sealant.



DESCRIPTION

Excellent adhesion on nearly all surfaces, even if slightly moisture.

USES

Very good adhesion on aluminum, PVC, wood, concrete and glass.
Very good mechanical characteristics.

CHARACTERISTICS / ADVANTAGES

- Excellent durability
- Good color stability, weather, and UV resistance
- Especially developed to be used with different paint systems.
- Environmentally favorable regarding working and indoor environment as well as waste handling and life cycle aspects
- Overpaintable

SUSTAINABILITY

For the product's assessment in the different building criteria systems, see [MiljöAppen](#).
Here you will also find information about EC1, M1, link to the building product declaration, safety data sheets etc.
The MiljöAppen, can also be reached by entering www.sikamiljoapp.se in your web browser.

APPROVALS / CERTIFICATES

EN 15651-1:2012 F-EXT-INT
EN 15651-2:2012 G

PRODUCT INFORMATION

Composition	Silyl Modified Polyether (SMP)
Packaging	300 ml cartridge
Shelf life	12 months from the date of production
Storage conditions	The product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +5 °C and +25 °C. Always refer to packaging.
Colour	White
Density	~ 1420 kg/m ³
Consistency	Stable paste
Shore A hardness	30 ± 5 Shore A

Tensile strain at break	~ 350 %	(ISO 37)
Elastic recovery	~ 70 %	(ISO 7389)
Service temperature	-40 °C min. / +90 °C max.	
Chemical resistance	Good resistance to water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis. Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrocarbons.	
Joint design	Min. width for joints: 4 mm Max. width for joints: 30 mm Min. depth for joints: 4 mm Recommendation sealing jobs: Width ≤ 6 mm: width = depth. Width > 6 mm: width = 2 x depth.	
Ambient air temperature	+5 °C min. / +35 °C max.	
Curing time	2 mm/24h (23°C/50% R.H.)	
Skinning time	~ 10 min (23°C/50% R.H.)	

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

If the joint has been damaged it might be necessary to re-caulk the joint. Clean the joint before by using a detergent e.g. Chlorine or with a mildew cleaner.

Compatibility with glass

Casco® WindowSeal Fönsterfog is not suitable for contact with secondary sealant of insulating glass units. Not appropriate for applications in direct contact with PVB film in laminated glass.

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

- Glazing joints (top sealing between glass and window profiles according to NPR 3577) to be painted.
- Sealing of embedded insulated glass units according to NPR 3577.
- Connection and expansion joints between window frames and wall that are painted.

After the joint is properly prepared, apply the sealant using a caulking gun.

Cut the nozzle at an angle less than the width of the seam. The material must be pressed firmly into the joint to ensure complete wetting of the bonding surface.

Wait approx. 15 minutes before tooling to get the sealant smoother to work with. Tooling too "early" is more difficult due to sticky sealant.

Curing, skin forming time and adhesion are dependent on sufficient amount of moisture. In winter the relative humidity indoors is generally low, and the curing time will be longer. In summer, the relative humidity is higher and the curing time faster.

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.

Use pure water or water with a small amount of soap/detergent, one drop per liter of water is recommended. Too much soap can affect the tack free time.

PAINTABILITY

It is not recommended to overpaint an elastic sealant since it reduces the joint movement capability.

Casco® WindowSeal Fönsterfog is however compatible with dispersion-based paints and many other paint types.

- Only paint after full cure of the sealant. For an optimal aesthetic result, we recommend painting the sealant as soon as possible (max. 1 month).
- Before painting we recommend degreasing the sealant. Definitely recommended if the kit was finished with soapy water.
- Slightly grinding the sealant can improve adhesion.
- In general wood paints give good coverage without stripes or craters. Given the wide variety of wood paints a preliminary compatibility test is recommended.
- The adhesion of alkyd-based paints can only be evaluated after 3 to 4 weeks when the paint is fully dried.
- Depending on the composition of the paint, the drying of the paint can be influenced.

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February 2023, Version 01.01

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SUBSTRATE PREPARATION

The joint interface must be clean, dry and free from oils, loose aggregates, laitance, release agents, water-proofing and other contaminants.

We recommend doing a preliminary adhesion test on every substrate.

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.

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.

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

The information, and, in particular, the recommendations relating to the application and end-use of Casco products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or on the website www.casco.eu.

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CascoWindowSealFensterfog-en-SECASCO-(02-2023)-1-1.pdf