

## PRODUCT DATA SHEET

# Sikasil®-722 WS

High performance, construction sealant for facade

### DESCRIPTION

Sikasil®-722 WS is one part, neutral curing, low modulus silicone sealant for indoor and outdoor applications.

### USES

- For interior and exterior applications
- Used for sealing facade joints
- Used sealing window and door frames, skylights, gutters, vents, and pipes

### FEATURES

- Non corrosive to metal based materials
- Good adhesion to many surfaces without primer
- Excellent UV and weathering resistance
- Easy to apply and non sag
- Low odour

### CERTIFICATES AND TEST REPORTS

- CE Marking and Declaration of Performance to EN 15651-1 - Sealants for non-structural use in joints in buildings - Facade elements - F EXT-INT CC 25LM
- CE Marking and Declaration of Performance to EN 15651-2 - Sealants for non-structural use in joints in buildings - Sealants for glazing - G EXT-INT CC 25LM

# PRODUCT INFORMATION

Composition	Alcoxy silicone, neutral curing	
Packaging	300 ml cartridge	24 cartridges per box
	600 ml foil pack	20 foil backs per box
Colour	White, black, grey, anthracite grey for other colours contact local sales team.	
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.	
Density	~1.48 g/cm³	

# TECHNICAL INFORMATION

Shore A hardness	33 (after 28 days)		
Tensile strength	1.5 MPa	(ISO 8339)	
Secant tensile modulus	3.1 MPa	(ISO 8339)	
Elastic recovery	~ 94% [at 100 % elongation,+23 °C]		(ISO 7389)
Service temperature	-40°C to +150 °C		
Joint design	Joint width [mm]	Joint depth [mm]	Joint length [m]
	10	10	3
	15	10	2
	20	10	1,5
	Consumption depends on the roughness and absorbency of the substrate. These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc. <b>Joint Design:</b> The joint width must be designed to suit the movement capability of the sealant. The joint width must be > 10 mm and < 20 mm. A width to depth ratio of ~ 2 : 1 must be maintained.		
Elongation at break	530 % [at 100 % elongation,+23 °C]		(ISO 8339)

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<b>Backing material</b>	Use closed cell, polyethylene foam backing rod
<b>Ambient air temperature</b>	+5 °C min. / +40 °C max.
<b>Substrate temperature</b>	+5 °C min. / +30 °C max.
<b>Curing rate</b>	2.3 mm /day (+23 °C / 50% r.h.)
<b>Skinning time</b>	40 min

## BASIS OF PRODUCT DATA

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

## FURTHER DOCUMENTATION

- Safety Data Sheet
- Pre-treatment Chart Sealing and Bonding

## IMPORTANT CONSIDERATIONS

- Sikasil® 722 WS should not be applied to materials that bleed plasticizers or solvents or release by-products that may inhibit cure, affect adhesion or discolor the sealant (e.g. bituminous-based adhesives and coatings).
- It cannot be overpainted.
- Do not use in totally confined spaces, Sikasil® 722 WS requires atmospheric moisture to cure.
- Sikasil® 722 WS is not recommended for use with marble and similar highly porous stone finishes whose appearance may be affected by sealant.
- Sikasil® 722 WS is not recommended for use on submerged joints, joints where physical abuse or abrasion are likely to occur, structural glazing or insulated glazing, and food contact applications.
- Do not use Sikasil® 722 WS for medical or pharmaceutical uses.
- Not recommended for direct contact on the reflective coatings of mirrors.

- Do not use in the manufacture of insulated glass (IG) units.

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

Surfaces must be clean and dry, free from dirt, grease and dust. Surface preparation depends on the type of substrates and is important for long-term adhesion. Sikasil® 722 WS adheres without primers and/or activators.

### MIXING

Ready to use

### APPLICATION METHOD / TOOLS

The optimum temperature for surface and sealant is between 10°C and 30°C. For optimum performance, the joint width must be designed according to the movement capability of the sealant. The joint width must be designed to suit the movement capability of the se-

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alant. The joint width must be > 10 mm and < 20 mm. A width to depth ratio of ~ 2 : 1 must be maintained. It is recommended to use closed-cell polyethylene foam for backing rod. If the joints are so shallow that backing rod cannot be used, we recommend using polythene tape. This tape acts as a release film (bond breaker) that allows the sealant to move and the silicone to stretch freely.

Insert a cartridge into the sealant gun and extrude Sikasil® 722 WS into the joint making sure that it comes into full contact with the sides of the joint and avoids any air entrapment. Sikasil® 722 WS sealant must be firmly tooled against the joint sides to ensure adequate adhesion. It is recommended to use masking tape where exact joint lines or neat lines are required. Tooling and finishing must be carried out within the skin time of the sealant. Remove the tape within the skin time. Do not use tooling products containing solvents.

### **CLEANING OF EQUIPMENT**

Clean all tools and application equipment immediately after use with Sika® Remover-208. Once cured, hardened material can only be removed mechanically. For cleaning skin use Sika® Cleaning Wipes-100.

### **LOCAL RESTRICTIONS**

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

## **LEGAL NOTES**

The information, and, in particular, the recommendations relating to the application and end-use of Sika 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.

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