

PRODUCT DATA SHEET

SikaSeal[®]-202

NEUTRAL SILICONE SEALANT

DESCRIPTION

SikaSeal[®]-202 is a one-component, neutral silicone sealant suitable for sealing door and window seams

USES

- Sealing of indoor and outdoor doors and windows.
- Sealing bonding of interior decoration materials, such as baseboards, various types of plates, aluminum gussets, ceramic tiles, door cover lines, gypsum lines.
- Sealing balcony doors and windows.
- Sealing bonding of interior decoration materials, such as metal, glass, wood, ceramic tiles, aluminum alloy, plaster, etc.
- Sealing bonding of various special plates such as SPC plates, carbon crystal plates, PVC plates, etc; (Curing time for 72 hours to do adaptability test)

CHARACTERISTICS / ADVANTAGES

- Good UV and weathering resistance
- High elasticity and flexibility
- Low VOC
- Non-corrosive

PRODUCT INFORMATION

Chemical base	Neutral silicone
Packaging	300 ml/ ctg (12 cartridges/ box)
Colour	WHITE, GREY, BLACK, TRANSLUCENT OTHERS ON REQUEST
Shelf life	12 months from date of production
Storage conditions	The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +27 °C. Always refer to the packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.
Density	~1.45 - 1.55 kg/l (basic colors) ~0.95 - 1.05 kg/l (translucent color)
Shore A Hardness	~30 - 50 (basic colors) ~20 - 30 (translucent color)
Tensile Strength	~1.0 MPa (basic colors) ~0.5 MPa (translucent color)

Elongation at Break	≥ 250% (basic colors) ≥ 200% (translucent color)
Service temperature	-40 °C min. / +150 °C max.
Joint width	The width of the seam should comprehensively consider the displacement requirements of the seam and the displacement capacity of the sealant. Example: For seam widths of 10mm - 20mm, the recommended seam depth is 10mm. The optimal aspect ratio is maintained at 2:1.
Ambient Air Temperature	+5 °C min. / +40 °C max. > 3 °C above dew point
Substrate Temperature	+5 °C min. / +40 °C max. > 3 °C above dew point
Skin time	~15 minutes (basic colors) (23 °C / 50 % r.h.) ~05 minutes (translucent color)

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.

IMPORTANT CONSIDERATION

- Do not use on alkaline surfaces such as concrete, plaster and masonry.
- SikaSeal®-202 cannot be overpainted. Colour variations may occur due to exposure in service to chemicals, high temperatures and/or UV-light (especially with white colour shade). This effect is aesthetic and does not adversely influence the technical performance or durability of the product.
- Do not use on bituminous substrates, natural rubber, EPDM rubber or on any building materials which might leach oils, plasticisers or solvents that could degrade the sealant.
- Do not use SikaSeal®-202 in totally confined spaces as it requires moisture from the atmosphere to cure.
- Do not use to seal joints in and around swimming pools.
- SikaSeal®-202 is not recommended for porous substrates such as natural stone, marble and granite. Bleeding can occur when product is used on these substrates.
- Do not use where physical or abrasive exposure is likely to occur, structural glazing and insulated glazing or food contact applications. Contact Sika Technical Services for advice on alternative products.
- Do not use for joints under water pressure or permanent water immersion.
- Do not use for medical or pharmaceutical applications.

ECOLOGY, HEALTH AND SAFETY

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The substrate must be sound, clean, dry and free of all contaminants such as dirt, oil, grease, old sealants and poorly bonded paint coatings which could affect adhesion of the sealant. The substrate must be of sufficient

strength to resist the stresses induced by the sealant during movement.

All dust, loose and friable material must be completely removed from all surfaces using suitable equipment before application of any activators, primers or sealant. SikaSeal®-202 adheres without primers and/or activators.

For optimum adhesion, joint durability and critical, high performance applications such as joints on multistorey buildings, highly stressed joints, extreme weather exposure or water immersion / exposure, the following priming and/or pre-treatment procedures must be followed:

Non-porous substrates

Aluminium, anodised aluminium, stainless steel, PVC, galvanised steel, powder coated metals or glazed tiles. Slightly roughen surface with a fine abrasive pad.

Clean and pre-treat using Sika® Aktivator-205 applied with a clean cloth.

Before sealing, allow a waiting time of > 15 minutes (< 6 hours).

Other metals, such as brass and titanium-zinc, clean and pre-treat using Sika® Aktivator-205 applied with a clean cloth. After a waiting time of > 15 minutes (< 6 hours), apply Sika® Primer-3 N by brush. Before sealing, allow a waiting time of > 30 minutes (< 8 hours). PVC has to be cleaned and pre-treated using Sika® Primer-215 applied with a brush. Before sealing, allow a waiting time of > 30 minutes (< 8 hours).

Glass must be cleaned with Isopropanol before application.

Porous substrates

Porous substrates must be primed using Sika® Primer-3 N applied by brush.

Before sealing, allow a waiting time of > 30 minutes (< 8 hours).

Adhesion tests on project specific substrates must be performed and procedures agreed with all parties before full project application.

For more detailed advice and instructions contact Sika Technical Services.

Note: Primers and activators are adhesion promoters and not an alternative to improve poor preparation / cleaning of the joint surface. Primers also improve the long term adhesion performance of the sealed joint.

APPLICATION METHOD / TOOLS

Strictly follow installation procedures as defined in method statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

Masking

It is recommended to use masking tape where neat or exact joint lines are required. Remove the tape within the skinning time after finishing.

Joint Backing

After the required substrate preparation, insert a suitable backing rod to the required depth.

Priming

If required, prime the joint surfaces as recommended in substrate preparation. Avoid excessive application of primer to avoid puddles at the base of the joint.

Application

SikaSeal®-202 is supplied ready to use. Prepare the end of the cartridge, insert into the sealant gun and fit the nozzle. Extrude SikaSeal®-202 into the joint ensuring that it comes into full contact with the sides of the joint. Avoid any air entrapment.

Finishing

Immediately after application, SikaSeal®-202 must be firmly tooled against the joint sides to ensure adequate adhesion and a smooth finish. Use a compatible tooling agent to smooth the joint surface. Water can be used. Do not use tooling products containing solvents

CLEANING OF TOOLS

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

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 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 can always refer to the most recent version of the local Product Data Sheet for the relevant product, available on our website. The information in any downloaded version is valid as of the time of download.

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Product Data Sheet

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