

Sikaflex® High Tack

Powerful high tack adhesive with high load capacity for indoor and outdoor use

Product Description

Sikaflex® High Tack is a 1-component, solvent-free high tack adhesive with powerful initial tack

Uses

Sikaflex® High Tack is designed for the indoor and out- door bonding of various objects in and around houses such as cable channels, acoustic tiles, door sills, roof and wall coverings and cover plates.

Sikaflex® High Tack has good adhesion on concrete, mortar, clinker, fiber cement, natural stone (e.g. granite), ceramic, wood, metal (galvanized and stainless steel, aluminum).

Characteristics / Advantages


- Powerful initial tack
- Fixing without tapes, nails or screws
- Very good adhesion to many substrates
- High load capacity
- Good workability
- Fast curing
- Can be used on damp concrete
- Very low emissions

Environmental Information

Specific Characteristics

- Solvent free
- Odourless
- Recyclable aluminium packaging (600 ml sausages and 300 ml cartridges)



Specific Approvals/Standards	EMICODE EC 1 ^{PLUS} R, very low emission Émissions dans l'air intérieur A+ 
Product Data	
Appearance / Colours	White
Packaging	300 ml cartridges, 12 cartridges per box
Storage Conditions / Shelf-Life	Sikaflex® High Tack has a shelf life of 12 months from the date of production, if it is stored properly in undamaged, original, sealed packaging, and if the storage conditions are met. Sikaflex® High Tack shall be stored in dry conditions, protected from direct sunlight and at temperatures between +5 °C and +25 °C
Technical Data	
Chemical Base	i-Cure Technology polyurethane
Density	1.30 kg/l approx. (ISO 1183-1)
Skinning Time	15 minutes approx. (23 °C / 50% r.h.) (CQP 019-1)
Curing Rate	3 mm/24 hours approx. (23 °C / 50% r.h.) (CQP 049-2)
Service Temperature	-40°C to +80°C
Mechanical / Physical Properties	
Tensile Strength	2.5 N/mm ² approx. (ISO 37)
Tear Strength	~ 8 N/mm ² (ISO 34)
Shore A Hardness	50 approx. (after 28 days) (ISO 868)
E-Modulus	~ 0.6 N/mm ² after 28 days (+23°C / 50% r.h.) (DIN EN ISO 8340)
Elongation at Break	600% approx. (ISO 37)
System Information	
Substrate Quality	Clean and dry, homogeneous, free from oils and grease, dust and loose or friable particles. Cement laitance must be removed
Substrate Preparation / Priming	<p>The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose or friable particles. Paint, cement laitance and other poorly adhering contaminants must be removed. Sikaflex® High Tack adheres without primers and/or activators. However, for optimum adhesion and critical, high performance applications, such as on multi-story buildings, highly stressed joints, extreme weather exposure or water immersion, the following priming and/or pre-treatment procedures shall be followed:</p> <p>Non-porous substrates</p> <p>Aluminium, anodised aluminium, stainless steel, PVC, galvanised steel, powder coated metals or glazed tiles have to be cleaned and pre-treated using Sika® Aktivator-205, wiped on with a clean towel. Before sealing, allow a flash-off time of > 15 minutes (< 6 hours). Other metals, such as copper, brass and titanium-zinc, also have to be cleaned and pre-treated using Sika® Aktivator-205, wiped on with a clean towel. After the necessary flash-off time, use a brush to apply Sika® Primer-3 N and allow a further flash-off time of > 30 minutes (< 8 hours) before sealing the joints.</p>

Porous substrates

Concrete, aerated concrete and cement based renders, mortars and bricks shall be primed using Sika® Primer-3 N applied with a brush. Before sealing, allow a flash-off time of > 30 minutes (< 8 hours). For more detailed advice and instructions please contact our Technical Service Department.

Note: Primers are adhesion promoters. They are neither a substitute for the correct cleaning of a surface, nor do they improve the strength of the surface significantly.

Substrate Temperature	+5°C min. / +40°C max.
Ambient Temperature	+5°C min. / +40°C max. min. 3 °C above dew point temperature
Substrate Moisture Content	Dry
Dew Point	Substrate temperature must be 3°C above dew point.

Application Instructions

Application Method / Tools

After the necessary substrate preparation, insert a cartridge into the sealant gun and extrude Sikaflex® High Tack into the joint making sure that it comes into full contact with the sides of the joint and avoids any air entrapment. Apply Sikaflex® High Tack in round shaped cordons with 5 mm in diameters in intervals of a few centimeters each. If necessary, use a notched trowel to distribute Sikaflex® High Tack evenly. Press or tap bonded parts together firmly to ensure good adhesion before a skin occurs. An incorrectly positioned element can easily be unfastened and repositioned during the first few minutes after application. The recommended adhesive layer thickness (depending on surface evenness) is < 3 mm. Fresh, uncured adhesive remaining on the surface must be removed immediately. Final strength will be obtained after complete curing of Sikaflex® High Tack.

Cleaning of Tools

Clean all tools and application equipment with Sika® Remover-208 / Sika® TopClean-T immediately after use. Hardened (cured) material can only be removed mechanically.

Notes on Application / Limitations

- For good workability, the adhesive temperature shall be +20 °C.
- For proper curing of the adhesive, sufficient ambient humidity / moisture is necessary.
- Before bonding, check adhesion and resistance of paints and coatings by carrying out a trial.
- Trials shall be carried out to test for over paint ability and paint compatibility. When overcoating Sikaflex® High Tack, compatibility of coatings must be tested individually.
- Colour variations may occur due to exposure to chemicals, high temperatures and/or UV-radiation (especially with the colour shade white). However, a change in colour is purely of aesthetic nature and does not adversely influence the technical performance or durability of the product.
- Do not use Sikaflex® High Tack on bituminous substrates, natural rubber, EPDM rubber or on any building materials which might bleed oils, plasticizers or solvents that could attack the sealant.
- Do not use on polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE / Teflon), and certain plasticized synthetic materials (pre-trials shall be carried out or contact our Technical Service Department).

Value Base

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.

Local Restrictions

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

Health and Safety Information

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