

Product Data Sheet
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SikaBond® -TF plus N

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1-part, elastic adhesive for SikaMembran® System

Product Description

SikaBond® -TF plus N is a 1-component, elastic PU-based adhesive for the SikaMembran® system.

Uses

SikaBond® -TF plus N is suitable for bonding SikaMembran® on to:

- Concrete
- Wood
- Aluminium including powder coated
- Most construction materials
- EPDM gaskets to substrates

Characteristics / Advantages

- Easy, quick application
- Solvent free
- No pre-treatment of membrane needed
- Suitable for uneven substrates
- Highly adaptable
- Waterproof
- Durable
- No additional mechanical fixing

Product Data

Form

Colours Black

Packaging 600 cc sausages, 20 per box

Storage

Storage Conditions / Shelf-Life 12 months from date of production if stored in undamaged original sealed containers, in dry conditions and protected from direct sunlight at temperatures between +10°C and +25°C.

Construction



Technical Data

Chemical Base	1-part moisture curing polyurethane
Density	~ 1.3 kg/l
Skinning Time	~ 90 minutes
Curing Rate	~ 3 mm / 24h (+23°C / 50% r. h.)
Sag Flow	<2.0 mm
Service Temperature	-40°C to +90°C

Mechanical / Physical Properties

Tensile Strength	~ 1.5 N/mm ²
Shore A Hardness	~ 25
Elongation at Break	~ 600%

System Information

Application Details

Consumption	Theoretical consumption of SikaBond® -TF plus N per 600cc sausage (without wastage): Approx. 6-7 linear metres dependant on substrate.
Substrate Quality	Clean and dry, homogeneous, free from oils and grease, dust and loose or friable particles. Cement laitance, poorly adhering particles and incompatible paints must be removed.
Substrate Preparation / Priming	Surfaces must be clean, dry and free from oil, grease, dust and loose or friable particles. Paint, cement laitance and any other contaminants must be removed. Clean non-porous surfaces with Sika® Cleaner-205. Clean porous surfaces by brush and/or vacuum. For porous substrates exposed to frequent water contact use Sika® Primer-3 N.

Application Conditions / Limitations

Ambient Temperature	+5°C min. / +40°C max.
Substrate Humidity	Dry

Application Instructions

Application Method / Tools	SikaBond® -TF plus N is supplied ready to use. Only apply SikaBond® -TF plus N after substrate preparation. Insert sausage into sealant gun and cut nozzle to a diameter of not less than 8mm, and firmly extrude bead of adhesive. Spread SikaBond® -TF plus N by means of a spatula to approx 4-5 cm width@ 1mm thickness (dependant on substrate profile). Place SikaMembran® onto the SikaBond® -TF plus N and apply pressure along membrane using a plastic roller. Ensure excess extruded SikaBond® -TF plus N is tooled off by trowel. Optimum bonding will be obtained after complete curing of SikaBond® -TF plus N.
Cleaning of Tools	Clean all tools and application equipment with Sika® Remover-208 immediately after use. Hardened / cured material can only be removed mechanically.

Notes on Application / Limitations	<p>SikaBond® -TF plus N should not be used for structural glazing.</p> <p>Protect the finished joint from water for at least 1 hour.</p> <p>Large elements may require additional holding or support during curing period.</p> <p>Do not use SikaBond® -TF plus N in contact with materials containing bitumen or pitch.</p>
Value Base	<p>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.</p>
Local Restrictions	<p>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.</p>
Health and Safety Information	<p>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.</p>
Legal Notes	<p>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.</p>



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