

PRODUCT DATA SHEET

Everbuild Tecnic® AntiPick 109

pick resistant sealant for low movement joints

DESCRIPTION

ANTI PICK 109 is a one part, chemically curing solvent free sealant based on Everbuild Hybriflex technology, combining the best qualities of silicone and polyurethane. Anti Pick 109 has been specifically formulated to provide a degree of resistance to finger picking answering the need for a harder to pick by hand seal (in comparison to traditional sealants) where a small movement accommodation is required.

USES

- Secure environments i.e. prisons & hospitals where the sealant is hard to reach or the person is under supervision.
- Municipal and public areas.
- Perimeter sealing of doors, windows.
- Joints in heavy cladding.

CHARACTERISTICS / ADVANTAGES

- Excellent impact and wear resistance.
- Resistant to picking by fingers.
- Excellent primerless adhesion to most surfaces, including metals, most plastics and glass.
- Excellent resistance to chemicals & petrol (10% dilute acids, alkalis, most solvent).
- Overpaintable with certain paints (compatibility test should be made).
- Can be applied on damp surfaces.
- High mechanical properties.
- Passed for use on different home office, national offender management services and ministry of justice projects.

Consistency	Paste
Application Temperature	5 to 35°C
Sagging (ISO 7390)	Nil
Shrinkage (ISO 10563)	<5%
Compatibility With Paints	Water Based: Yes (test compatibility) Solvent Based: No (with Alkyd Paints)
Coverage	Approximately 11 linear meters per cartridge

APPROVALS / STANDARDS

CE Marked under EN15651 part 1 classes F12.5E and use in cold climates.

PRODUCT INFORMATION

Packaging	310ml Cartridge
Colour	White, Soft Linen and Grey
Shelf Life	12 months from date of manufacture when stored as directed.
Storage Conditions	Store in cool, dry conditions between +5°C and +25°C. Storage outside these parameters will dramatically reduce shelf life.

Density 1.45 ± 0.05 g/cm³

TECHNICAL INFORMATION

Shore Hardness Approx 50 (ISO868 - 3 seconds) -

Tensile Strength > 1.3 N/mm² (ISO8339)

Modulus of Elasticity in Tension ~1MPa at 60% elongation (ISO 8339)

Elastic Recovery > 80% (ISO7389)

Movement Capability ±12.5%

Resistance to Weathering Resistance to UV Radiation - Good

Service Temperature -40 to +100°C

Joint Design

Joint Dimensions

For maximum movement accommodation, it is recommended that:

1. The sealant joint depth should be no less than 5mm
2. Joint depth should be 5mm for joints up to 10mm wide
3. Joints above 10mm in width should be half the width in depth up to 20mm and minimum 10mm for wider joints

Joint depth may be adjusted to the correct size using EVERBUILD JOINT BACKER ROD.

Joint Width Calculation

Joint widths are calculated as in BS6213:

$$\text{Width} = \frac{M \times 100 + M}{F}$$

Where M = movement and F = movement accommodation Factor

APPLICATION INFORMATION

Curing Time Curing at @ 23°C and 50% RH - 2mm / 24Hr

Skin Time Skin Formation @ 23°C and 50% RH - 30 ± 10 Min

APPLICATION INSTRUCTIONS

Primer

Priming is not always necessary; but if in doubt use a suitable primer as directed prior to application; especially when joints are to be immersed or require a high movement capability. Mortar/Concrete use Sika Primer 3-N. If desired use silicone Primer NP2 on non porous substrates.

SUBSTRATE PREPARATION

All surfaces must be clean and dust free. Preliminary adhesion tests are strongly recommended prior to full scale application. Surfaces may be damp, but have no standing water. For most substrates, priming is not required, however, if in doubt contact our technical department.

LIMITATIONS

- Adhesion (and overpaintability) trials are recommended prior to full scale application
- It is the user's responsibility to determine suitability for use. If in doubt, please contact Technical Services Department for advice.
- Yellowing can occur in predominantly dark condi-

tions.

- In areas of high UV some darkening/ discolouration may occur. This does not affect product performance.

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.

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.

ECOLOGY HEALTH AND SAFETY

Data sheet available for professional user on request.

LEGAL NOTES

The information, and, in particular, the recommenda-

tions 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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