BUILDING TRUST

PRODUCT DATA SHEET

Sika® Hybriflex® AntiPick 109

Pick resistant sealant for low movement joints

PRODUCT DESCRIPTION

Sika® Hybriflex® AntiPick 109 is a one part chemically curing sealant, based on Hybriflex® technology, combining the best qualities of silicone and polyurethane. Hybriflex® AntiPick 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 and hospitals where the sealant is hard to reach or the person is under supervision.
- Municipal and public areas.
- Perimeter sealing of doors and 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 Service and Ministry of Justice projects.

APPROVALS / STANDARDS

UKCA and CE Marked under EN15651 part 1 classes F20HM and use in cold climates.

PRODUCT INFORMATION

Chemical Base	STP
Packaging	295 ml Cartridge
Colour	White & 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/cm^3

TECHNICAL INFORMATION

Shore Hardness	ca. 50
Tensile Strength	> 1.3 N/mm² (ISO 8339)
Tensile Modulus of Elasticity	0.8 to 1.0 MPa at 60 % elongation (ISO 8339)
Elastic Recovery	> 80 % (ISO 7389)
Movement Capability	20 % (ISO 9047)
Resistance to Weathering	Good resistance to UV radiation
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 5 mm. 2. Joint depth should be 5 mm for joints up to 10 mm wide. 3. Joints above 10 mm in width should be half the width in depth up to 20 mm and minimum 10 mm for wider joints. Joint depth may be adjusted to the correct size using Joint Backer Rod. **Joint Width Calculation** Joint widths are calculated as in BS6213: Width = $\frac{M \times 100 + M}{F}$ Where M = movement and F = movement accommodation factor

APPLICATION INFORMATION

Consumption	~10.5 linear meters at 6 mm diameter bead
Ambient Air Temperature	+5 to +35 °C
Curing Time	2 mm / 24 hours at +23 °C and 50 % RH
Skin Time	Skin Formation 30 ± 10 Min at +23 °C and 50 % RH

VALUE BASE

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

LIMITATIONS

- In areas of high UV; some darkening / discolouration may occur. This does not affect the performance of the product.
- Overpaintability: check compatibility with specific paint first before overpainting large areas.
- Do not use on surfaces that bleed oils or plasticizers.
- It is the user's responsibility to determine suitability for use. If in doubt, please contact Technical Services Department for advice.
- Not for use as part of a structural glazing system.
- Not for use in conjunction with bitumen, or asphalt.
- Do not use in conjunction with undiluted bleach, this can cause discoloration of product.
- Not suitable for use in or around chlorinated water.
- Yellowing can occur in dark conditions.

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

Priming is not always necessary, but if in doubt use a suitable primer as directed prior to application. Priming is recommended when joints are to be immersed or require a high movement capability. For mortar/concrete use Sika Primer 3-N. If desired use Sika Aktivator 205 on non-porous substrates.
Preliminary adhesion tests are strongly recommended prior to full scale application.
All surfaces must be clean and dust free. Surfaces may be damp, but have no standing water.
If in doubt contact our technical department.

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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