

Technical Data

ANTI-PICK 109

High Modulus Hybrid Sealant



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.

Benefits

- 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.

Certification

CE Marked under EN15651 parts 1 and 4 classes F12.5E , PW12.5E and use in cold climates.

Recommended For

- 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.
- Pedestrian Walkways



Available in

310ml Cartridge, available in the following colours:

White
Soft Linen
Grey

Storage

Store in cool, dry conditions between +5°C and +25°C. Storage outside these parameters will dramatically reduce shelf life.

Shelf Life

12 months from date of manufacture when stored as directed.

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Health & Safety

Data sheet available for professional user on request.

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 or BOND BREAKING TAPE in cases where there is not enough depth to use Backer Rod.

Surface 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.

Specific Data

Consistency	Paste
Density	1.45 ± 0.05
Application Temperature	5 to 35°C
Skin Formation @ 23°C and 50% RH	30 ± 10 Min
Sagging (ISO 7390)	Nil
Curing at @ 23°C and 50% RH	2mm / 24Hr
Shore A Hardness (ISO 868 - 3 seconds)	Approx 50
Modulus at 60% elongation (ISO 8339)	~1Mpa
Tensile Strength (ISO 8339)	> 1.3 N/mm ²
Shrinkage (ISO 10563)	<5%
Resistance to UV Radiation	Good
Compatibility With Paints	Water Based: Yes (test compatibility) Solvent Based: No (with Alkyd Paints)
Service Temperature	-40 to +100°C
Coverage	Approximately 11 linear meters per cartridge
Movement Accommodation	±12.5%
Elastic recovery (ISO7389)	> 80%

Joint Width Calculation

Joint widths are calculated as in BS6213:

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

Where M = movement and F = movement accommodation Factor

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.

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

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