

EVERFLEX POLYURETHANE 40 SEALANT AND ADHESIVE

DESCRIPTION

EVERFLEX POLYURETHANE 40 is a high modulus, one component sealant and adhesive that remains permanently elastic and has good adhesion to most substrates. It is resistant to most solvents and when cured and can be overpainted with oil and latex paints.

BENEFITS

- Excellent chemical resistance
- Excellent resistance to solvents when cured.
- Exceptional primerless adhesion to most common substrates.
- Bonds to concrete, wood, metal aluminium, polyester, glass, uPVC, stone, ceramics etc.
- Overpaintable with gloss and emulsion paints.
- Conforms to stringent SNJF specifications.

AREAS FOR USE

- Sealing and bonding metal panels and trim.
- Expansion joint sealing in concrete panels, floor joint and road and bridge construction.
- Sealing in applications subject to vibration and mechanical abrasion.
- Marine applications - provides resistance to salt water
- Multitude of sealing and bonding applications in the automotive and engineering markets.
- Bonding in container fabrication.

LIMITATIONS

- Not for use on substrates that may bleed oils, solvents or plasticisers.
- Do not use on bituminous surfaces. Use WEATHER MATE SEALANT

SURFACE PREPARATION

All surfaces must be clean, dry and dust free. All loose or flaking surface coatings, and old sealant and mastic joints, should be removed before application. Glass, metal and aluminium should be cleaned with a proprietary solvent cleaner prior to application for optimum adhesion.

When using solvents, always ensure adequate ventilation. Avoid heat, sparks and open flames.

Observe and follow all precautions listed on the solvent container label. It is not recommended for application to surfaces that are below 5°C as it is impossible to guarantee a dry, frost-free surface at these temperatures. It is unlikely that priming will be required. If in doubt consult Technical Services.

APPLICATION

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Reference should be made to the recommended joint ratios. If necessary reduce joint depth using Everflex Expanding Foam, or Joint backer rod. Furthermore, ensure that the joint design only permits adhesion to two surfaces, as three sided adhesion will impair flexibility. Where the sealant is used in a joint configuration, masking tape should be used to prevent contamination of adjacent substrates, and ensure a neat sealing line. Masking tape should be removed immediately after tooling. The joint should be tooled within 5 minutes of application to ensure good contact between the sealant and the substrate. Tooling of the sealant also gives a smooth, professional finish. Uncured material can be removed by wiping with a dampened cloth with white spirit. Cured material can be carefully removed by mechanical means. Full cure must be allowed before overpainting.

SPECIFIC DATA

Base:	Polyurethane
Curing system:	Moisture cure
Skin formation:	c.a 2-3 hours @ 20°C 65% relative humidity
Cure time:	4mm per 24 hours
Hardness	40 shore A
Shrinkage:	Maximum 4%
Specific gravity:	1.17
Service temperature:	-30°C to 80°C
Application temperature:	5° to 30°C
Elastic recovery:	> 80%
Elongation at break:	>250% (ISO 8339)
Elasticity modulus 100%:	0.60N/mm ² (DIN 53504)
Breaking strength:	1.50N/mm ² (DIN 53504)
Packaging:	C3 Aluminium Cartridge
Resistance to acids/bases/ solvents	Good.

HEALTH AND SAFETY

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Contains 4,4` Diphenylmethane diisocyanate. (<0.7% w/w). See separate Safety data sheet for further information.

STORAGE

Store in cool dry conditions between + 5°C and 25°C.

SHELF LIFE

Use within 9 months