

Flexseal SL445

One component elastomeric self-levelling polyurethane sealant (Formerly known as Flexseal SU445)



Description

Flexseal SL445 is a one component self leveling polyurethane based elastomeric sealant which cures under the effect of atmospheric humidity to form a flexible and resistant joint.

Applications

Flexseal SL445 can be used for concrete expansion joints. This product with no off-gasing can be applied in tropical conditions.

Advantages

- ▲ Single component.
- ▲ Easy to apply self leveling sealant reducing waste.
- ▲ Excellent weatherability.
- ▲ No primer required on most substrates.
- ▲ High movement accommodation factor (25%).
- ▲ Abrasion resistant.
- ▲ Various package sizes available.
- ▲ Water based, does not release harmful vapours.
- ▲ High service temperature range.

Method of Use

Substrate preparation

- ▲ Concrete must be even, clean, dry, free of dust, oil, grease and any other contaminants that could harm bonding. All traces of poorly adherent paints or coatings should be systematically removed beforehand.
- ▲ It is recommended to clean concrete with a metal brush and to dust it off using air blowers.

Limitations

- ▲ Can be applied by a manual or pneumatic gun. This product should be used within 24 hours of opening the sausage; otherwise, the sealant could harden in the sausage.
- ▲ Do not apply at a temperature under 5°C. In cold weather, store the cartridges at 20°C before use.
- ▲ Do not apply on silicones or in presence of polymerised silicones or hybrid sealants (MS or SPUR). Avoid contact with alcohols and solvents during curing.

Technical Properties:

Colour:	Various
Density @ 20°C:	1.18 ± 0.05 g/cm ³
Hardness Shore A: ISO 868 - 3 seconds	> 30
Viscosity @ 23°C:	Brookfield RVT/spindle 6/5 rpm: 50000 ± 10000 mPa.s
Application temperature:	5 up to 35°C
Skin formation time:	Ca 4 hr @ 23°C & 50% RH
Cure rate:	> 2 mm/day @ 23°C & 50% RH
Temperature resistance:	-30 - +90°C
Modulus @100%: ISO 8339	> 0.6 MPa
Resistance to dilute acids and bases:	Average
UV resistance:	Good
Water and salt spray resistance:	Excellent
Compatibility with paints:	Water based : Yes Solvent based: Carry out tests beforehand

Cleaning

Clean tools and equipment with DCP solvent 1, MEK or acetone before the sealant has completely cured. After curing, abrasion is necessary.

Packaging

Flexseal SL445 is available in 600 cc sausages and 6 kg metal cans or bulk supply, please contact local DCP office for more large and bulk packaging.

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Storage

Flexseal SL445 has a shelf life of 9 months for the 600 cc sausages, and 6 months for the 6 kg metal cans from date of manufacture if stored at temperatures between 5°C and 25°C in the original, hermetically sealed unopened packaging in a controlled dry, cool and shaded area protected from frost, moisture, high temperatures and direct sunlight.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

Cautions

Health and Safety

If Flexseal SL445 comes into contact the eyes, flush with copious volumes of cold water and obtain medical attention.

Product is non-hazardous once cured.

For further information refer to the Material Safety Data Sheet.

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- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.

Note:

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