



WATERPROOFING
ACCESSORIES PRODUCT

ALSAN FLEX 2945 SB

TECHNICAL DATA SHEET 201110SCANE

(supersedes -)

DESCRIPTION

ALSAN FLEX 2945 SB is a moisture curing, polyether adhesive/sealant designed for applications in damp, dry, or cold climates.

ALSAN FLEX 2945 SB is solvent free and contains no isocyanates. ALSAN FLEX 2945 SB will not shrink upon curing, will not discolor when exposed to UV light, and can not "out-gas", or bubble on damp surfaces as urethane sealants often do. ALSAN FLEX 2945 SB is capable of joint movement in excess of 35% in both compression and extension. ALSAN FLEX 2945 SB can be used effectively in many difficult construction site conditions such as wet or dry climates and at temperatures as low as 0° C (32° F).

SURFACE PREPARATION

Before application, be sure that surfaces are clean, dry, homogeneous and free from all contamination (oils and grease, dust and loose or friable particles). Cement laitance must be removed.

APPLICATION

Minimum application temperature : > 0 °C (32 °F) Service temperature : -40 to 93 °C (-40 to 200 °F)

Apply ALSAN FLEX 2945 SB evenly. If necessary, use masking tape when sharp joint lines are required. Remove the tape whilst the sealant is still soft. Slick joint with smoothing liquid for a perfect sealant surface.

Making joints:

After adapted substrate preparation, insert an adapted backing rod (closed cell, polyethylene foam) to the required depth (width/depth ratio should be 2:1 for floor joints and 1:2 for façade joints). Extrude ALSAN FLEX 2945 SB into the joint to fill making sure that it is full contact with the side of the joint. Avoid air entrapment. Tool firmly against joint sides to ensure good adhesion.

RESTRICTION(S)

In areas where prolonged chemical exposure is anticipated, contact Technical Services for recommendations. ALSAN FLEX 2945 SB is not suitable in areas subject to continuous immersion. Remove all coatings and sealers before application. Do not use on TPO. A slight yellowing may occur when white sealant is not exposed to ultraviolet rays. Always test and evaluate to ensure adequate adhesion on substrate.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONTACT SOPREMA OR RESISTO

PACKAGING

Specifications	ALSAN FLEX 2945 SB
Physical state	Liquid
Chemical Base	Polyether (STPE)
Colour	White, Grey & Black
Coverage rate per cartridge	4 linear m (14 ft) for 9.5 mm (3/8 in) bead

Note : Coverage rate is approximate and may vary due to the application technique and surface roughness
(All values are nominal)



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PROPERTIES

Properties	Standards	ALSAN FLEX 2945 SB
Joint movement		± 35 %
Sag Resistance	ASTM C639	Pass
Brookfield viscosity @ 23 °C (73 °F)		1 200 000 cp ± 400 000 cp
Density	ASTM S1475	1.4 kg/L (11.94 ± 0.2 lbs/gal US)
Solids content		100 %
Elongation at Break	ASTM D412	525 %
Tensile Strength	ASTM D412	2.55 MPa (370 psi)
Shear Strength	ASTM D1002	2.69 MPa (390 psi)
Hardness Shore A	ASTM C661	45
Low Temperature Flexibility	ASTM D816	Pass -23 °C (-10 °F) 6.35 mm (1/4 in) mandrel
Shrinkage		No shrinkage after 14 days
Tack free time		35 min ± 10 min (45 ± 5 % R.H.)

Applicable performance standards : ASTM C920, Type S, Grade NS, Class 35, uses NT, T1, M, G, A & O
(All values are nominal)

CLEANING

Wet sealant can be removed using a solvent such as alcohol. Cured **ALSAN FLEX 2945 SB** can be removed by abrading or scraping the substrate.

STORAGE AND HANDLING

This product may be kept for a period of 18 months when properly stored in its original container when stored at 70°F / 21°C with 50% relative humidity. High temperature and high relative humidity may significantly reduce shelf life. Store original, unopened containers in a cool, dry area. Protect unopened containers from water, heat and direct sunlight. **ALSAN FLEX 2945 SB** will not freeze.

For more information and advice on the safe handling, storage and disposal of the chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety related data.



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