



PRODUCT

SINFLEX A.25 JOINT SEALING COMPOUND

DESCRIPTION

SINFLEX A.25 is a solvent-free, two-component, polyurethane elastomers and tar sealing compound, designed to obtain a highly elastic cured polymer with a good balance of tensile strength and elongation. From the liquid state the compound polymerize and turn into rubber without any change in volume. Its high flexibility provides stress relief and crack bridging ability.

USES

Elastic, fuel-proof sealing compound for horizontal and vertical joints on concrete, steel and asphalt surfaces (garages, workshops, warehouses, storage facilities and industrial floors in general, sewage treatment plants, irrigation channels, basements, roads, airports runways).

SPECIFICATION

- Form: two-component, base + curing agent predosed.
- Color: black.
- Mixing ratio: 90 parts A to 10 parts B by weight.
- Density: 25°C kg/dm: 1,5 ± 0,1
- Temperature range: From -30°C to 120°C dry heat, and up 60°C wet heat.
- Priming: Primer 25.
Primer 25 is a two-component polyurethane product containing solvents with approx. 1 hour. pot-life.
The use of primer as a sealer against humidity of the support and to improve adhesion is mandatory on concrete.
Primer 25 must be applied by brush on the contact surfaces 4-12 hours prior to the application of SINFLEX A.25.
- Storage Life: 18 months (minimum) if stored in the original, tightly sealed containers.
- Limitations: Not recommended when ambient and/or surface temperature is below 5°C and falling or on moisty surfaces.
- Packing: 5 Kg and 10 Kg units
- Pot life: >50 minutes
- Curing time: 1 day
- Full cure: 6 days
- Ultimate elongation: 500% approx
- Hardness (shore A) at 7 days: 25 approx
- Working elongation: 35%

CHEMICAL RESISTANCE

Sinflex A.25 has good chemical resistance to:

- water, salt water.
- fuel oils, lubricants kerosene.

HOW TO USE

SURFACE PREPARATION

Surfaces must be dry and free from rust, dust and dirt particles, oil, grease and other contaminants. The recommended methods of cleaning are (i) Steel - grit blasting or sand blasting, (ii) Zinc and Aluminium - degreasing with OMNIA Thinner.

MIXING

Check uniformity of each component and stir parts "A" and "B" separately. Mix only the quantity of material that can be used before expiration of pot-life. For standard quantities, pour all of part "B" into can containing part "A". For smaller batches check uniformity of each component, stir parts "A" and "B" separately and thoroughly, measure the two components as specified on the packs, into a clean container, mix thoroughly using a mechanical low speed mixer and a paint mixing paddle until material attains uniform consistency and colour. Carefully scrape the sides and bottom of the containers while mixing. Thorough mixing will take 3 to 5 minutes.

JOINTING

If considered necessary, dry, trim, grind, or improve the joint faces with epoxy paste or epoxy resin mortar, then remove dust, at best with compressed air.

Fill the joint with a compatible joint compound, preferably a round closed pore compound, closed cell polyethylene foam or foam rubber cord, as used on road construction. and fix it at the correct joint depth Prime the joint faces with PRIMER 25. Depending on surface absorption, a second primer coat after about 1/2 hour may be necessary. The primer must leave a visible film on the joints faces.

The thoroughly mixed SINFLEX A.25 should be poured into the joint within 1-2 hours from the application of the Primer. For sealing vertical joints, ask for tixo type alternately 3-6% TICKNER 2 thickening agent should be mixed into SINFLEX A.25, for application with a spatula.

JOINT DIMENSIONS AND MATERIAL REQUIRED

The durability of a sealed joint depends on the correct dimensions. The joint width must be so determined that the maximum expansion of SINFLEX A. 25 does not exceed 25% of the joint width over a long period. The following table gives the correct guide lines for jointing with 20°C thermal difference and the amount of compound required:

Joint width in mm	10	12	14	20
Permissible distance between joints in meter	3	4	5	7
Thickness of joints Filler in mm	10	11	12	14
Amount of jointing Filler Kg per running meter	0,15	0,20	0,25	0,40

SEALING OF JOINTS SUBJECTED TO LOAD PRESSURE

The above shown quantities of sealing compound are required for joints subjected to normal loads. In case of pressure load the joint depth must be correspondingly selected, by applying the following simple rule-of-thumb:

- 0,5 ate. depth/width: 1
- 1,0 ate. depth/width: 2
- 2,0 ate. depth/width: 4
- 5,0 ate. depth/width: 10

CLEAN UP

Clean tools and equipment with SOLVENT "OMNIA" or toluene, or acetone.

HANDLING AND TOXICITY

"A" and "B" Component For Industrial Use Only!

Skin contact should be avoided by wearing impervious gloves (rubber or disposal polyethylene) and by using suitable goggles for eyes; barrier creams such as Kerodex K7 may also assist in affording additional protection. Any accidentally contaminated skin areas should be cleansed immediately with soap and water and/or a suitable resin removal cream. For eyes, clean with plenty of water and get medical attention immediately.

The use of solvents for skin cleansing should be avoided.

All information and directions contained in this technical data sheet are given in good faith and are based on the best known practical test.

SINIT, when having no control over transport, storage, handling, use and application of the product, will disclaim all responsibilities for any unsatisfactory results obtained.

All tests have been carried out at 23° C

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These data supersedes all previously published data.

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