

LEYCO[®]-SEAL T

POLYMER MODIFIED BITUMINOUS JOINT SEALANT

Product Description

Pre-coat and primer with high penetration reaction

Uses

The joint sealant is suitable for the sealing of joints in all concrete and asphalt pavements.

Advantages

LEYCO[®]-SEAL T fulfils the requirements of "the Technical Delivery Conditions for bituminous joint sealants" (TL Fug-StB 01) for „joint sealants“ and the requirements of the TL bitFug 82 Art A, concrete joint sealants, normal.

LEYCO[®]-SEAL T is used for joints meeting the following characteristics:

- Semi-elastic sealant
- Designed for a possibly change in the joint width of up to 25 %
- Good application characteristics at hot and at cold temperatures
- Good bonding to bituminous and mineral substrate
- Very high aging resistance
- Resistance to aqueous solutions, salts and thinned acids etc.
- As bituminous building material problem-free recyclable

Technical Data

General Information

Application temperature: approx. 160 - 180 °C

Consumption

LEYCO[®]-SEAL T: joint length (cm) x joint width (cm) x joint depth (cm) x specific gravity of the sealant (g/cm³) = consumption (g).

Primer: The consumption of the primer (LEYCO-TEKT[®]-Primer) is approx. 3 % of the sealant amount needed.

Density: approx. 1,1 g/ml

Packaging: metal can of: 30 kg, 10 kg, or carton boxes of : 25 kg, 10 kg

Specific Gravity: 1,14 g/ml

Storage: To be stored cool and dry.

Shelf life: 24 month

Application

Melting: LEYCO[®]-SEAL T has to be heated carefully to the application temperature of 160 - 180 °C in a boiler equipped with mechanical agitation, indirect heating and thermometer. The temperature of the sealant must be thermostatically regulated; it must be controllable at all times. Overheating of the sealant should necessarily be avoided, as this will damage the polymers, which were added for the improvement of the product, and consequently it will lead to a loss of the guaranteed properties.

Primer: For LEYCO[®]-SEAL T a sufficient LEYCO-TEKT primer has to be used. The function of the primer is to bind the dust bonding at the concrete or asphalt and to form an adhesive layer, which will fuse with the sealant being filled into the joints.

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Product Data Sheet

Surface Conditions

The concrete and asphalt joints to be sealed should be thoroughly blown with high-pressure-air or cleaned with a brushing machine if necessary, whereas you have to pay attention to special separation of cleaning and application works. For artificial dry-out or pre-heating of the joints, hot compressed air lances can be used.

The primer must cover the joint flanks completely by forming a film. It is recommendable to prime at both sides a stripe of approx. 1 cm width of the pavement. Before filling the joints the applied primer must have dried, i. e. the surface must be touch-dry. The primed joint has to dry and be free from dust to guarantee an intensive bond to the concrete or the asphalt.

Weather conditions: The prepared joints are only allowed to be sealed at dry weather conditions and at a surface temperature of the building part of 0 °C.

Method of application

Filling of the joints: LEYCO®-SEAL T can be applied by application can or by an application lance. The joint sealant must have application temperature during pouring work. If the pouring temperature is below the required temperature, the flow ability of the sealant is reduced. The joint sealants may not have the ability to pour joints completely. Voids in the sealant may result in collapse of sealant under rolling traffic condition.

Before the application of LEYCO®-SEAL T a bedding material is to be applied. By the bedding material the height of the joint sealant in the joint is controlled.

At the same time a leaking of the compound into possibly existing voids and the three-flank bonding will be prevented. A three-flank bonding may lead to a failure of the joint sealant caused by the tension.

Depending on joint dimension, reduced temperature of the sealant results in shrinkage, which requires immediate subsequent hot-in-hot pouring of additional sealant.

Cleaning

Equipment: petrol and commercial solvents

At skin contact: hand washing paste

Important Note

At the production or the filling of the joints you have to follow among others the following regulations:

- ZTV Fug-StB 01 • ZTV Beton-StB 01
- ZTV BEA-StB. Polymer modified bituminous joint sealant in accordance with TL Fug-StB 01

Legal notes

Whilst information and/or specification contained herein is to the best of our knowledge true and accurate, and is based on many years experience, we cannot accept any liability either directly or indirectly arising from the use of our products, whether or not in accordance with any advice, specification or recommendation given by us, as we have no direct or continuous control over how or where our products are applied.

LEYDE-PRODUCTS are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale. 12.01.2009