

PRODUCT DATA SHEET

Sika® Stabilizer-2121 TBM TH

TBM first filling tail seal sealant

DESCRIPTION

Sika® Stabilizer-2121 TBM PH is an organic, first filling tail seal sealant for TBM tail brushes. It has good penetration and protects the brushes throughout the TBM's lifespan.

USES

- Fills the TBM tail brushes before the initial drive or after passing intermediate stations
- Provides a protective layer to the TBM brushes

CHARACTERISTICS / ADVANTAGES

- Does not react with the segmental seal
- Extends the lifespan of the wire brushes in the tail seals
- Withstands high water pressure
- Good anti-washout properties and water-tightness
- Ensures sealing between the inside of the shield and the outside environment
- Lower consumption compared to other types of tail seal greases
- Good pumpability at temperatures between +15°C and +40°C
- Easy to handle
- Self-extinguishing

PRODUCT INFORMATION

| | |
|----------------------------|---|
| Chemical Base | Organic compound. |
| Packaging | 25, 70 and 250 kg drums. Refer to current price list for packaging variations |
| Appearance / Colour | Homogenous paste, light grey. |
| Shelf Life | 24 months from date of production. |
| Storage Conditions | The product must be stored in original, unopened and undamaged packaging in dry conditions and protected from direct sun exposure at temperatures between +5 °C and +40 °C. |
| Density | 1.70 kg/l ± 0.10 |
| Solubility | Non soluble. |
| Consistency | (190 ± 10) at +20 °C (ASTM D217) |

TECHNICAL INFORMATION

| | | | |
|------------------------|------------------|---------------------|--------------|
| Specific Advice | Wash Out: | < 2 % | (ASTM D971) |
| | Water Spray off: | < 5 % | (ASTM D4049) |
| | Water Sealing: | 35 bar (no leakage) | (Matsumura) |
| | Flash Point | > +200 °C | (ASTM D92) |

SYSTEM INFORMATION

Compatibility Compatible with Sika® admixtures and other Sika® products.
Contact Sika Technical Services for additional information.

APPLICATION INFORMATION

Recommended Dosage The consumption is dependent on the diameter of the TBM and the number of rows brushes.

As a general guide, the following calques may be considered:

| TBM Diameter | Quantity of sealant |
|---------------------|----------------------------|
| 5-6 m | 1.75 t |
| 7-8 m | 2.25 t |
| 9-10 m | 2.75 t |

Contact Sika Technical Services for additional information.

Restrictions Product application temperature must be $\geq +15\text{ °C}$ and $\leq +40\text{ °C}$.
Cold drums must be stored in warm rooms for at least 24 hours before using.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

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

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

Sika Philippines Inc.
888 Marcos Alvarez Ave.,
Talon V, Las Piñas City, Philippines 1747
Tel. No.: +63 2 8806-2875
Fax. No.: +63 2 8806-2883
Website: phl.sika.com

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