

PRODUCT DATA SHEET

Sika® Stabilizer-111 TL

Fire resistant spray lining based on urea silicate technology for mining and tunnelling

DESCRIPTION

Sika® Stabilizer-111 TL is a two component (1:1 by volume) fire resistant spray thin lining based on urea silicate technology. It has been developed to rapidly stabilise stressed rock structures by giving them structural strength and flexibility. It is applied through low pressure gearpump and static mixer.

USES

- Fast stabilization in various geotechnical applications (soil, slopes, rock structures)
- Portal construction
- Potential fire retardant coating
- Rock and ground support in tunnels and mining

CHARACTERISTICS / ADVANTAGES

- Fire resistant due to its unique silicate chemistry
- Very fast reactivity with structural strength and resiliency
- High tensile and compressive strength
- Dust free application
- Does not absorb water
- Excellent adhesion to all surfaces
- Very good adhesion to wet surfaces.

PRODUCT INFORMATION

Packaging	1000 litre IBC
Shelf life	12 months from the production date when stored indoor in sealed packaging.
Storage conditions	Store in dry conditions. Component B partially used container must be re-sealed after use to avoid ingress of moisture.
Appearance and colour	Component A : white cloudy liquid Component B: brown translucent liquid
Density	Component A 1.50 kg/l Component B 1.16 kg/l
Recommended dosage	1A:1B by volume
Dispensing	Remix or agitate the part A via air spike ensuring the air line is at the bottom of the container before spraying.

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.

FURTHER INFORMATION

Curing time 2 hours maximum
Compressive strength: 10 MPa at 30 minutes

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 declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

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 Australia Pty Limited

ABN 12 001 342 329

aus.sika.com

Tel: 1300 22 33 48

Product Data Sheet

Sika® Stabilizer-111 TL

April 2023, Version 01.02

021404021000000166

SikaStabilizer-111TL-en-AU-(04-2023)-1-2.pdf