

## PRODUCT DATA SHEET

# Sika® Stabilizer-6010 TBM ID

### SET ACCELERATING ADMIXTURE FOR CEMENT / BENTONITE STABILIZED AND RETARDED INJECTION GROUTS

#### DESCRIPTION

Sika® Stabilizer-6010 TBM ID is a set and hardening accelerating admixture for cement / bentonite injection grouts commonly used in backfilling operations during tunnels excavations with shield EPB or shield TBM.

Sika® Stabilizer-6010 TBM ID is supplied in liquid form and is added via a separate hose to injection grouts immediately before the injection point (double component system).

It gives a strong acceleration of setting time of the grout thus allowing the hardening of an injected mix even if it has been retarded for 24 - 72 hours by means of the Sika® Retarder admixture system. The product is suitable for use in tropical and hot climatic conditions.

#### USES

Sika® Stabilizer-6010 TBM ID is normally used in tunnel excavation with shield EPB or TBM. The shield during progression leaves an empty ring space between concrete lining and the excavated soil. Injection and filling of this space is commonly done with a cement or cement/ bentonite grout that is stabilized and retarded with the Sika® Retarder admixture system. The re-activation of setting properties is done by adding Sika® Stabilizer-6010 TBM ID and depending on the dosage used is shortened down to few seconds or few minutes.

#### PRODUCT INFORMATION

<b>Composition</b>	Silicate based
<b>Packaging</b>	Bulk supply
<b>Shelf life</b>	12 months minimum from dispatch if stored properly.

<b>Storage conditions</b>	Store in cool and dry conditions in unopened, undamaged and sealed original packaging at temperatures between +5 °C and +40 °C protected from direct sunlight.
<b>Appearance and colour</b>	Liquid – Clear / transparent
<b>Density</b>	~1.29 at +20 °C

## APPLICATION INFORMATION

<b>Recommended dosage</b>	Typical dosage range of Sika® Stabilizer-6010 TBM ID is 40 – 100 liter per cubic meter of grout. Pre-trials to confirm the actual required dosage for the materials and mix design in use must be done by the user.
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## BASIS OF PRODUCT DATA

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

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### APPLICATION

Addition of Sika® Stabilizer-6010 TBM ID is through a special injector that pushes the admixture into the grout flow hoses.

Sika® Stabilizer-6010 TBM ID must only be added to cement grout immediately before injection of the grout.

To evaluate setting time jobsite and laboratory trials are recommended.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

## 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.

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