

PRODUCT DATA SHEET

Sika® Stabilizer-5010 TBM AU

Set Retarding and water-reducing admixture for backfill grout in TBM applications

DESCRIPTION

Sika® Stabilizer-5010 TBM AU is an efficient retarding and water-reducing admixture for cement, binder or cement/ bentonite injection grouts, commonly used in backfilling operations during tunnel excavation with shielded tunnel boring machines (TBMs).

USES

- The retarding effects of Sika® Stabilizer-5010 TBM AU allow for the cement or cement / bentonite injection grout to have an extended setting time of up to 72 hours.
- Sika® Stabilizer-5010 TBM AU is supplied in liquid form and is added into the cement grout during the mixing process.

FEATURES

- Sika® Stabilizer-5010 TBM AU ensures controlled workability of the cement, binder or binder/ bentonite grout for up to 72 hours.
- Sika® Stabilizer-5010 TBM AU allows for the pumpability of the retarded and stabilized grout, and helps reduce segregation.
- Sika® Stabilizer-5010 TBM AU does not contain calcium chloride or any other intentionally added chlorides.

CERTIFICATES AND TEST REPORTS

Sika® Stabilizer-5010 TBM AU is a set retarding admixture meeting the requirements of AS1478.1 – 2000 Type Re.

PRODUCT INFORMATION

Packaging	Bulk delivery and 1000 L IBCs
Appearance and colour	Green liquid
Shelf life	Stored at temperatures between 5° C and 35° C in unopened original containers protected from direct sunlight and frost, shelf life is 12 months.
Storage conditions	Store Sika® Stabilizer-5010 TBM AU protected from direct sunlight and frost at temperatures between 5°C and 35° C .
Density	1.13 g/cm ³ approximately
Recommended dosage	Dosage rates will vary depending on the cementitious material used in the grout, ambient conditions and the requirements of a specific project. For general cement or binder or cement / bentonite injection grout applications, Sika recommends a dosage rate between 2-7 kg/ m ³ of grout.. Dosage rates outside the recommended range may be used where extreme ambient conditions are encountered or unusual project conditions require special consideration. Where extended retardation is required dosage may be increased. In any case, please contact your Sika Technical Sales Representative for further information and project specific dosage recommendations.

Compatibility	Sika® Stabilizer-5010 TBM AU works effectively as a single admixture or in combination with other Sika® admixtures. When used in combination with other admixtures, care must be taken to dispense each admixture separately into the mix. Do not mix with dry cement
Dispensing	Add Sika® Stabilizer-5010 TBM AU at the grout plant during mixing by automated dispenser. Add directly into the wet grout near the end of the mixing cycle.

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.

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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