



# SIKA AT WORK

## METRO LINE AKM-KIZILAY, ANKARA, TURKEY

PRODUCTS FOR TBM: Sika® Foam TBM 510 LS

BUILDING TRUST



# KOLIN – DUYGU MÜHENDİSLİK, ANKARA, TURKEY



## PROJECT DESCRIPTION

The capital city of Ankara selected a group of experienced construction companies for the excavation of the new Metro Line AKM-Kızılay in the city which includes the construction of a new Metro Line of around 5 km.

## TBM DESCRIPTION

For the excavation of this new line the Contractor decided to use one refurbished EPB TBM machine with an excavation diameter of over 6 m from a German supplier. The machines excavated the first tunnel always in a clay geology removing the material with special wagons.

## PRODUCT DESCRIPTION

During the advance, the excavated material was mainly clay with some sections containing lots of water.

Sika® Foam TBM 510 LS, which is a foaming agent for high cohesive soils, was recommended and used with very good results. During tests at the begin of the excavation our foaming agent was able to stabile the excavation conditions and the parameters of the TBM and the dosage of the foaming agent was maintained in a good level.

It was specially noticed that the quality of the final foam produced to condition the ground had very nice characteristics.

## PROJECT PARTICIPANTS

**Owner:** City of Ankara

**Client:** Ministry of Transportation

**Construction:** Kolin – Duygu Mühendislik

**Supplier:** Sika Turkey

Our most current General Sales Conditions shall apply. Please consult the most current local Product Data Sheet prior to any use.



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