



# SIKA AT WORK

MAINTENANCE OF VARIOUS  
MUNICIPAL STRUCTURAL  
WORKS, UTRECHT

BUILDING TRUST



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## PROJECT DESCRIPTION

For municipalities in the Netherlands, Sika products are used on many locations for repairing and protecting various structural works. The same applies to the municipality of Utrecht where – in recent years – various maintenance projects were performed at bridges, retaining walls and bascule cellars in its city centre.

In cooperation with concrete repair company Concreet Betonherstel B.V. from Apeldoorn, several projects were completed in the past year.

## CONCRETE REPAIR AND PROTECTION AT BALIJE BRIDGE

After a full inspection, a start was made with repairing the walls of the bascule cellars. Any damage was repaired with Sika MonoTop®-412 N, a high quality R4 mortar. The concrete was fully coated and thus durably protected against penetration of harmful atmospheric substances, using a system with Sikagard®-545 and Sikagard®-550 elastic.

## WIDENING A FOUNDATION, UTRECHT PAARDENVELD

When pouring a retaining wall, as part of widening a foundation, it turned out that there was insufficient coverage on the applied reinforcement. In order to resolve this, brackets were drilled in and anchored with Sika AnchorFix®-3+ and a mesh reinforcement was placed. Then, a formwork was applied that was back-filled with SikaGrout®-212 F. Finally, the whole wall was provided with an R4 mortar Sika MonoTop®-412, using a spray mortar method.

## WATER-PROOFING A WEAR LAYER ON STEEL “YUPPIE” BRIDGE

Regularly, the St. Martinus bridge or „yuppie bridge“ in Utrecht is severely tested, e.g. as a result of road salt. In order to protect the steel structure as well as possible, a crack bridging wear layer was placed in the fast drying Sikafloor® Pronto system.

An elastic membrane layer Sikafloor®-15 Pronto applied on primer was provided with a basalt filled second layer. Finally, this was finished with the white Sikafloor®-17 Pronto seal coat.

Just a few examples of often challenging infrastructural and cityscape affecting projects to which Sika provides a contribution in order to improve and maintain structural works in Utrecht and other parts of our country.

## PROJECT PARTICIPANTS

Client: municipality of Utrecht

Applicator: Concreet Betonherstel B.V.

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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