



SIKA AT WORK

ARTISTIC FOUNTAIN FOR THE HAGUE CENTRAL STATION, THE NETHERLANDS

JOINT SEALING: Sika® Primer, Sikasil® Pool

BUILDING TRUST



ARTISTIC FOUNTAIN, THE HAGUE CENTRAL STATION, THE NETHERLANDS

PROJECT DESCRIPTION

In recent years, The Hague Central Station has been modernized. Now it meets the requirements of the travelers. The station coordinates public transportation like trams, buses, trains and taxis in a well-organized and future-proof public transport hub. The hall forms a spacious and open connection with the city center of The Hague. The station has a diverse range of shops and facilitates for travelers and visitors with flexible working and meeting spaces. The Anna van Bueren square becomes a lively city space that the public transport terminal with the surrounding cultural institutions, ministries, the multi-purpose facility and garden New Babylon, University and companies. The square acts as a resting point in the middle of the busy city and is composed with green and water areas to keep the square open and clear. In the space between the station hall and the National Archive is a fountain with seat edges and sprayers.

PROJECT REQUIREMENTS

The floor of the fountain is made up of 729 mosaic tiles. From a distance, for example from the tram or the central station, you see then life-size the face of Anna van Bueren. The tiles are made of the terrazzo, an architectural concrete with polished natural stone. Integrated in the terrazzo tiles there are big black dots, each varying in size creating the mosaic. The different tiles need to be waterproofed between each other.

Due to permanent exposure to water a durable adhesion of the sealant to the tiles is crucial. This is solved by a correct surface treatment with a primer. A good adhesion of the adhesive had to be guaranteed and the joint sealing had to be weatherproof and extremely suitable for permanent contact with water.



- 1 After installing the baker rod and applying with Sika® Primer-3N for optimal adhesion, the joint is sealed by Sikasil®-Pool.
- 2 The separate Terrazzo concrete pieces before installing.



SIKA SOLUTIONS

To guarantee the good adhesion of the sealant, the tile flanks were first coated with Sika® Primer-3 N. Then all joints between the tiles were sealed with Sikasil® Pool, which is chlorine resistant and suitable for permanent contact with water.

3 Before joint sealing can begin: color texturing.

4 The material of the substrate is Terazzo concrete. The fountain is in use between March and October and in this period the fountain surface is always under water.

5 3D-drawing of the fountain project: water pumps transport the water above the ground. From this perspective one can clearly recognize the face of Anna van Bueren.



JOINT SEALING FOR THE HAGUE CENTRAL STATION



PROJECT PARTICIPANTS

Client: Municipality of The Hague

Contractor: Van Dijk Maasland B.V.

Producer Terrazzo Tiles: Tomaello B.V.

Installer: Dam Kitwerk B.V.

Sika Organisation: Sika Nertherlands

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SIKA SERVICES AG
Tueffenwies 16
CH-8048 Zurich
Switzerland

Contact
Phone +41 58 436 40 40
www.sika.ch

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