



# SIKA AT WORK

## WATERPROOFING OF LEUVEN RING ROAD, BELGIUM

CONCRETE PROTECTION: Sikalastic®-6100 FX

BUILDING TRUST



# LEUVEN RING ROAD, BELGIUM



## PROJECT DESCRIPTION

Surface waterproofing of a side walkway of a bridge exposed only to weather conditions, rain, sunlight and eventual pedestrian traffic.

Project name: Ring road Leuven: Bridge side walk roads waterproofing

Location: Leuven, Belgium

Year: 2013

Market sector: Infrastructure – Bridges

## PROJECT REQUIREMENTS

The main need in this case was the possibility to use a material with stable waterproofing, protection properties and color and appearance exposed to UV and weathering. Abrasion resistance was considered only as optional due to the fact that the treated area should be exposed only to eventual pedestrian traffic. Additionally, the application circumstances were a decisive factor for the selection for the product: The humid substrate and the need of a quick application.

## SIKA SOLUTIONS

Weathering resistance of Sikalastic®-6100 FX was one of the key factors that guided the selection of the product for this specific application. Sikalastic®-6100 FX shows high concrete waterproofing and protection properties and additionally, is available in white and real concrete grey colors which are stable even under sunlight.

## CUSTOMERS BENEFIT

- Sikalastic®-6100 FX can be applied in moist (wet) conditions which are common in Belgium in applications outdoors. This accelerates the application process and avoids delays.
- Sikalastic®-6100 FX can be applied on “Green” concrete.
- No need to wait for 28 days.
- The application is not complicated and 1 layer application with total required thickness is possible, avoiding waiting times between layers.
- Sikalastic®-6100 FX shows high crack bridging capacities even after accelerated weathering or at low temperatures which prevents damages on the membrane when exposed to extreme climates.

## PROJECT FACTS AT A GLANCE

A total of approx. 1,000 m<sup>2</sup> of waterproofed area. Sikalastic®-6100 FX applied at 2 mm thickness with 1.8 kg of product per m<sup>2</sup>. Quick return to service, only after 3 days of application. The use of Sikalastic®-6100 FX instead of other traditional cementitious two-component waterproofing membranes saved in this job approx. 1.4 tons of waterproofing material.

## PROJECT PARTICIPANTS

Project Owner: Highway and bridge authorities in Belgium  
Applicator/Contractor: Janssens NV

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