

Project:

Ring road Leuven: Bridge side walk roads waterproofing

Location:

Leuven (Belgium)

Project completed:

2013

Owner/s:

Highway and bridge authorities in Belgium

Applicator/Contractor:

Janssens NV

Designer/Architect/Specifier:

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Market sector:

Infrastructure – Bridges

Products used & amounts:

MasterSeal 6100 FX
approx. 1800 Kg

Ring road Leuven

Side walk roads waterproofing



Our reference in Leuven (Belgium): Ring road Leuven: Side walk roads waterproofing

The background

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

The challenge

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.

Contact:

Master Builders Solutions Belgium nv
Nijverheidsweg 89, 3945 Ham, Belgium
P +32 (0) 11 34 04 34

mbs-cc-be@mbcc-group.com

www.master-builders-solutions.com/be

www.master-builders-solutions.com/nl

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Our solution

Weathering resistance of MasterSeal 6100 FX was one of the key factors that guided the selection of the product for this specific application.

MasterSeal 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.

The customer's benefit

- MasterSeal 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.
- MasterSeal 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.
- MasterSeal 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.

Projects facts at a glance

- A total of approx. 1.000 m² of waterproofed area
- MasterSeal 6100 FX applied at 2 mm thickness with 1,8 Kg of product per m²
- Quick return to service, only after 3 days of application
- The use of MasterSeal 6100 FX instead of other traditional cementitious two-component waterproofing membranes saved in this job approx. 1,4 tons of waterproofing material.

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Further information is available at:
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