

Abcite®

Long term corrosion
protection and reduced life
service costs for civil
Engineering



Noordburg Kortrijk (Belgium)

Long Term surface protection with
Abcite® X60

The project.

Kortrijk is a midsize city located in Belgium in the Flanders region; the town is crossed by the river Leie; Its banks have been dilapidated, but now have to be come again the local place to be.

For many years the town started an important project for the expansion of the river, as connection between Antwerp Harbour and the Paris Bassin.

The project integrated as well the rehabilitation of the banks of the river and the build of 7 new bridges, which allow the raising circulation of 1350 t container ships and vessels. A free height of 7 meters to the ships had to be guaranteed.

One of these bridges, the 27 m high Noordbrug, is a cable-stayed bridge, and has been built in 2010 and protected with Abcite® X60 thermoplastic coating.

Beside the perfect long term weathering resistance requested for such an investment, the chemical resistance (salts for de-icing or exhaust gas) of the coating played an important role as well.

After a sand blasting as surface preparation, the welded grilles of the bridges have been sprayed with 500 µm Abcite® X60 in NCS 7500 N, a specific colour chosen by the architect. For this kind of civil engineering, the colour integrity along the bridge was also a challenging task for the job coater and initiator of the project, the company Van Os-Duracoat, which had to make a new colour recipe to meet the architect's requirements.

Abcite® X60 has a long reference list in the Benelux: the product is used for many years in public areas, for the protection of outdoor furniture, banks, lamp posts etc., this, without any maintenance.



Abcite® offers the following benefits:

- High abrasion and impact resistance
- High chemical resistance against most acids and alkalis
- Excellent salt spray resistance
- Long term weathering and UV resistance
- Flexible application methods (spraying or dipping)
- Easy application : good coverage in edges, corners and difficult areas
- Noise reduction
- Repairable in situ
- Efficient and economic : no need for primer, high film thickness 300 - 600 µm
- Environmentally friendly: no solvent, VOC and halogen free

"Abcite® was the most competitive and effective long term solution compared to the originally planned liquid paint alternative with 4 layers!"

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