

## Abcite®

# Long term corrosion protection and lower life service costs for civil engineering



**Application:**

Building infrastructure

**Product:**

Abcite® X60

**Location:**

Kortrijk (Belgium)

**Client and**

**distribution partner:**

Van Os Duracoat

**Year:**

2010

**The project:**

Kortrijk is a midsize city located in Belgium in the Flanders region. The river Leie passes through the town, it's once dilapidated banks have once again become the local place to be. Many years ago the town began a major project for the expansion of the river as a connection between Antwerp harbour and the Paris Basin.

The project included the renovation of the river banks and the construction of 7 new bridges. The bridges needed to allow for the 1,350 t container ships and other vessels to pass below, requiring a minimum free height of 7 metres.

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

In addition to the outstanding weather resistance required for such a structure, the chemical resistance of the coating (salts for deicing and exhaust gas) was a key factor in the coating selection.



## AXALTA COATING SYSTEMS



After a sand blasting as surface preparation, the welded grilles of the bridges were sprayed with 500 µm **Abcite® X60** in NCS 7500 N, a specific colour chosen by the architect. For this civil engineering project the coating contractor, Van Os-Duracoat, faced several challenges including the colour continuity along the entire structure and the development of a special colour to meet the architect's requirements.

**Abcite® X60** has a long reference list in the Benelux: the product has been used for many years in public areas, for the protection of outdoor furniture, banks, lamp posts and similar applications, giving a maintenance free long lasting finish.



### Key Points

- 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 organic solvents, VOC and halogen free

**For UK and Overseas:**  
Plascoat Systems Ltd  
United Kingdom  
+44 (0) 1252 733777  
plascoat-salesuk@axalta.com

**For Europe:**  
Plascoat Europe BV  
The Netherlands  
+31 (0) 181 458 888  
plascoat-salesnl@axalta.com

**For US:**  
Plascoat Corp.  
United States of America  
+1 (844) 752-7262  
plascoat-salesus@axalta.com