



# Abcite®

Corrosion Protection



## Weatherproof signposts at Mechelen bus-stops testify for reliable coating

### Project

De Lijn Flemish Traffic Authorities, in Mechelen, Belgium

### Project

Chemical resistance in the traffic sector is of utmost importance. Deterioration of signposts and signboards is caused not only by corrosive agents in the air, but also by contamination at ground level, attributable to road salt, exhaust gases and dog urine. To protect all their bus stops in Mechelen, the regional traffic authorities specified DuPont Abcite® as a protection against aggressive agents, adverse weather conditions and UV radiation.

### Problem

The replacement of deteriorated signposts and signboards is a costly investment that traffic authorities prefer to avoid.

Such interventions penalize not only the allocated budgets but also the easy identification of timetables and directions. The extra man hours spent to remove and replace the signposts also put a strain on the overall expenses.

### Solution:

After appropriate sanding and cleaning, the corrosion-prone signposts were treated with DuPont Abcite®. The process involved a continuous, highly corrosion-resistant, protective flay-free coating, with high adhesion to the metal surface. Abcite® is produced in powder form and its particles size is less than 280 µm.

The protective material is normally applied by a fluidised bed process, as it was done for this application. No specific maintenance was required since the signposts were replaced.

### Benefits:

- Abcite® coating is weatherproof.
- Abcite® is resistant against polluted atmospheres.
- Abcite® protects the signposts against road salts, exhaust gases and dog urine.
- Abcite® is abrasion and impact resistant.
- Abcite® has a high surface hardness, but remains pleasant to touch and has a nice appearance.
- Abcite® can be colored according to the specific requirements of the application.

## Application case history

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**DuPont Powder Coatings**