



# Abcite®

## Corrosion Protection



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

### Contractor

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 315 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

**For further information on  
Abcite<sup>®</sup>, please contact:**

### **Benelux**

Duracoat  
Nijverheidstraat 34  
B-2620 Hemiksem  
Tel. +32 3 887 90 41  
Fax. +32 3 887 11 12

### **France & Eastern Countries**

Groupe Arnaud  
68, Av. Du Général Michel Bizot  
F-75012 Paris  
Tel. +33-1-44 73 11 30  
Fax. +33-1-44 73 10 14

### **Germany**

DuPont Polymer Powders  
Postfach 510748  
D-50943 Köln  
Fritz-Hecker Str.47-107  
D-50968 Köln  
Tel. +39 221 37 06 533  
Fax. +39 221 37 06 144

### **Italy**

Finco srl  
Viale Bianca Maria, 13  
20122 Milano  
Tel: ++39 02 760 13 701  
Fax: ++ 39 02 783 701

### **Spain / Portugal**

DuPont Powder Coatings Iberia Sarl  
Carretas Molins de Rei 83-85  
E-08191 Rubí / Barcelona  
Tel: ++34 93 586 0580  
Fax: ++34 93 586 0583

### **Sweden / Norway / Denmark**

Korroterm  
Box 42  
S-590 62 Lingham  
Tel. +46 13 35 70 72  
Fax. +46 13 70 544

### **Switzerland**

Centrachem AG  
Im Feld  
CH-4624 Härkingen  
Tel. +41 62 398 21 61  
Fax. +41 62 398 02 58

### **United Kingdom / Eire**

Mallatite Ltd  
Sandfold Lane  
GB-Manchester M19 3FT  
Tel. +44-161 225 31 00  
Fax. +44-161 257 26 25

**For countries which are not  
listed here, please contact:**

DuPont Polymer Powders SARL  
25, Rue St Joseph  
CH-1630 Bulle  
Switzerland  
Tel. +41-26 913 51 11  
Fax. +41-26 912 79 89

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**DuPont Powder Coatings**