



# Abcite®

Corrosion Protection



## Property security fence in residential area resists burglars and climatic conditions

### Contractor

Private property owner near Antwerp, Belgium.

### Project:

A villa standing in a residential quarter of Antwerp, at the corner of Kastanjelaan and Della Faille Laan, had to be partially fenced in to protect it against potential burglars. Two security gates were to form part of the 80 meter-long and 180 centimeter-high fence and give access to the property. All elements had to fit with this posh part of town and at the same time be resistant to climatic changes and to vandalism.

### Problem:

As fences are mainly made of steel, they are corrosion-prone from the very beginning. Even aluminium or galvanized steel cannot withstand deterioration indefinitely.

Moreover, corrosion attacks first the soil. The changing weather conditions, with alternate rainfall, frost and heat, also bring their share of corrosion. In addition, property enclosing fences often arouse people's envy and lead to malicious damage.

### Solution:

The owner decided to select a material that would guarantee long-term protection against corrosion and adverse weather conditions. At the same time it had to be esthetically pleasing as well as resistant to vandalism. They chose Abcite® from DuPont, a thermoplastic powder developed especially for corrosion protection and which is available in a wide variety of standard colors. Abcite® was applied by spraying the powder onto the clean, pre-heated steel elements.

Black color was chosen for this application.

Although no primer or adhesion promoter is required, adhesion to metals better than with most of the thermoplastic powder coatings commonly used today.

### Benefits:

- Abcite® resists pollution.
- Abcite® is not damaged by plant growth. Abcite® is UV and corrosion resistant.
- Abcite® has high impact strength, even at low temperatures.
- Abcite® adheres well to intricate surfaces without an adhesion promoter and provides excellent edge coverage.
- Abcite® can be colored.

## 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

#### Denmark / Norway

Decorona A/S  
Sydmarken 32F  
DK-2860 Søborg  
Tel. +45-39-66-31-17  
Fax. +45-39-66-98-80

#### 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

Korroterm  
Box 42  
S-590 62 Linghem  
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**