



Abcite®

Corrosion Protection



Abcite® coatings give lasting benefit to lighting columns

Contractor

Lancashire County Council, England.

Problem:

Most lighting columns in the UK are galvanised. But they are still vulnerable to corrosion from acid rain, caused by air pollution, road salt and, in cities and towns, dog fouling. The lower part of the column is particularly exposed to salt and dog fouling – and mechanical stress is also at its greatest there. Once corrosion starts, it is virtually impossible to stop. Replacing the column is the only alternative to preventing its eventual collapse. In addition, the columns often need to be painted in special colours to meet the local preferences or requirements.

Solution:

Lancashire county council chose Abcite® from DuPont, a thermoplastic powder developed especially to provide long-life corrosion protection, guarantee longer life and reduce maintenance and replacement costs – and available in a wide variety of standard colours.

Project:

After chemical pretreatment, the columns were heated in an oven, then immersed in a fluidised bed of Abcite®. Columns longer than 12 meters, or those to be coated in an unusual colour, were sprayed with Abcite®, to give the same excellent anti-corrosion performance.

Features & Benefits:

- Abcite® provides an abrasion resistance from sand and grit thrown up by passing traffic.
- Long-term protection against corrosion prolongs the life of the lighting columns, reducing maintenance costs.
- When the Abcite®-coated columns do need repainting or repairing, it is a straightforward job to carry out in-situ.
- Coating with Abcite® is a solvent-free process, better for the environment.

Application case history

For further information on Abcite[®], 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