



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

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DuPont Powder Coatings