

## Abcite®

# Coating for fences: resistance for extreme environments



**Application:**

Long term surface protection of a property security fence

**Product:**

Abcite® X60

**Location:**

Antwerp (Belgium)

**Client and**

**distribution partner:**

Van Os Duracoat

**The 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 influences and to vandalism.

**The challenge:**

As fences are mainly made of steel, they are corrosion-prone from the very beginning. Even aluminium or galvanized steel cannot withstand climate induced deterioration indefinitely. Moreover, corrosion attacks first where the supporting posts penetrate 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.

## AXALTA COATING SYSTEMS



### The 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 aesthetically pleasing as well as resistant to vandalism. They chose Abcite® from Axalta, 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.

### Abcite® - 17 years later...

#### Durability and longevity are key to the success of Abcite®

As a proof of the outstanding performances of Abcite, this is a picture of the same fence, 17 years later. It looks like new since the first day, without any maintenance!



### Key Points

- High abrasion and impact resistance
- High chemical resistance against most acids and alkalis
- Excellent salt spray resistance
- Long term weathering and UV resistance
- Flexible application methods (spraying or dipping)
- Easy application: good coverage of edges, corners and difficult areas
- Noise reduction
- Repairable in situ
- Efficient and economic: no need for primer, high film thickness 300 - 600 µm

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