

Abcite®

Maintenance free corrosion protection for outdoor equipment in extreme environments



The project:

When it comes to power supply for a municipality like Göteborg, a city of almost half a million people, delivery reliability is a key issue.

Maintenance of the city's 7000 km cable system, and avoiding any interruption of the power supply is the challenge of Göteborg Energi.

The geographical situation of Göteborg and its tough environment make this task even more difficult:

- Salt-laden air of the waterfront
- Rain
- Wind
- Snow and snow clearance activities
- Temperature fluctuations
- Vandalism etc..

Reliable corrosion protection of the cable cabinets and other steel equipment is consequently a major criteria for the good maintenance of the system.

The Abcite® high performance and maintenance free anticorrosion coating took a weight off of Göteborg Energi's shoulders, when the company decided to qualify Abcite® to protect the cable cabinets delivered by ABB Kabeldon. Korroterm AB in Lingham, Sweden, who has many years of experience with Abcite®, worked closely with ABB and applied the coating to the cabinets.

Application:

Long term surface protection of cable cabinets

Product:

Abcite® X60

Location:

Göteborg (Sweden)

Client and distribution partner:

Korroterm AB for ABB Cewe

Abcite® X60 has been independently tested and meets corrosion protection categories C5-M and Im3 High according to ISO 12944-6. Abcite guarantees maintenance free protection for more than 15 years, with a single layer coating!

AXALTA COATING SYSTEMS



After a light blasting the galvanized parts were preheated and then coated with **Abcite® X60**. RAL 6009 was selected for the first cabinets, and RAL 7022-2 (modified RAL 7022) is specified for current deliveries.



Key Points

- **Excellent salt spray resistance**
- **Long term weathering and UV resistance**
- **High abrasion and impact resistance**
- **Electrical insulation**
- **High chemical resistance against most acids and alkalis**
- **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)**
- **Environmentally friendly: no organic solvents, VOC and halogen free**

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