

Field Testing

Europe • Asia • America

Increased offer of permanent field stations

Swerea KIMAB together with its French subsidiary, Institut de la Corrosion (IC) is one of the leading organizations in Europe in the area of corrosion and corrosion testing.

By collaborating with selected key organizations in Asia we now extend our offer to include sites in Asia in addition to our since long established sites in Sweden and Europe.

Sweden

- Accelerated outdoor test by intermittent spraying of a salt solution (ISO 11474 Scab testing), Stockholm
- Urban field station, Vanadis, Stockholm
- Marine field stations at Bohus-Malmö, Swedish west coast
- Rural field station, Ryda, Enköping

France

- Accelerated outdoor test by intermittent spraying of a salt solution (ISO 11474 Scab testing), Brest, Bretagne
- Marine field stations, Brest, Bretagne

United Arab Emirates

- UV and sand abrasion field station, Dubai

Singapore

(in cooperation with Singapore Institute of Manufacturing Technology)

- Marine tropical field station, Singapore

Thailand

(in cooperation with Thailand Institute of Scientific and Technological Research)

- Urban field station, Bangkok

China

(in cooperation with Qingdao Marine Corrosion Institute and China Weathering Test and Research Institute)

- Marine/industrial field station, Qingdao
- Marine tropical field station, Wanning

USA

(in cooperation with Batelle Institute)

- Subtropical marine field station, Daytona, Florida



We are actively involved in standardization, especially in the review and revision of the main international standards that we conform to in field testing. The level of characterization can vary from site to site.

We are also actively involved in co-ordination and collaboration in international exposures incorporating a large number of both mobile and stationary field exposure sites.

We offer

- Participation in joint industrial projects
- Exposure of standard specimens on racks at 45° inclination and larger objects at some of the field stations (ISO 8565 Atmospheric corrosion testing – General requirements).
- Exposure of coil coated materials at 5° and 90° (EN 13523–19).
- Exposure and analysis of paint coatings (ISO 4628, EN 1352321) including colour and gloss measurements.
- Corrosivity measurements of standard specimens of carbon steel, zinc, copper and aluminum (ISO 9226 Corrosivity of atmospheres – Determination of corrosion rate) and provide assessment of corrosivity according to C classes (ISO 9223 Corrosivity of atmospheres – Classification, determination and estimation).
- Characterisation of the environment with respect to temperature, relative humidity, SO₂ and airborne chlorides (ISO 9225 Corrosivity of atmospheres – Measurement of environmental parameters).
- Accelerated field testing conforming to ISO 11474 Corrosion tests in artificial atmosphere – Accelerated outdoor test by intermittent spraying of a salt solution (Scab-test).



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