

Corrosion testing at Fraunhofer IFAM

Accredited corrosion tests

- Salt spray testing (NSS and CASS) DIN EN ISO 9227
- Condensation water climate test DIN EN ISO 6270-2
- Alternating immersion test DIN EN 3212
- Determination of resistance to cyclic corrosion conditions DIN EN ISO 11997-1 Cycle B
- Filiform corrosion test DIN EN 3665 and DIN EN ISO 4623
- DIN EN ISO 12944-9 Requirements for coating systems for offshore structures

Selection of further corrosion tests

- Filiform corrosion test DIN EN ISO 4628-10
- Assessment of filiform corrosion by digital image processing DIN EN ISO 21227-4
- Corrosion protection of steel structures by coating systems-Part 6 Laboratory tests for the evaluation of coating systems according to DIN EN ISO 12944-6
- Condensation test DIN EN ISO 6270-1 and ASTM D 4585
- Resistance to cathodic disbonding DIN EN ISO 15711
- Determination of resistance to liquids DIN EN ISO 2812 Part 1 and Part 2
- Application of cracks through a coating for corrosion tests DIN EN ISO 17872
- Sandwich Corrosion Test ASTM F 1110
- Total Immersion Corrosion Test ASTM F 483
- Bresle method DIN EN ISO 8502-6
- Evaluation according to specific test parameters DIN EN ISO 4628 Parts 1 to 10
- Peel test for determination of adhesion DIN EN ISO 4624
- Cathodic infiltration test DIN EN 10290
- Coating thickness measurements DIN EN ISO 2360 (eddy current method), DIN EN ISO 2178 (magnetic method)
- Corrosivity of atmospheres - Classification, determination and estimation DIN EN ISO 9223
- Determination of corrosion rate of standard samples for determination of corrosivity DIN EN ISO 9226
- Drop test, Crevice corrosion test, Accelerated climatic aging / Controlled condensation test (ACA QCT), Corrosion flexibility test (Bend SST) according to Airbus Target Specification ATS04-0007
- Outdoor weathering of coatings DIN EN ISO 2810

Other tests not listed here are also possible by arrangement.