

Galfan from SSAB – best in real-life corrosion test spanning over many years

A real-life corrosion test was recently conducted, in which SSAB's Galfan clearly outshone competing coating materials in terms of its ability to resist corrosion. This becomes clearly evident in structures that have formed shapes. The test result showed that Galfan is up to 3.8 times more resistant to corrosion compared to other tested zinc based coatings.



“According to our experience reality offers a better measure than laboratory tests to determine how metal-coated materials resist corrosion. In the test – which covers a period of 5 and 8 years – we were able to confirm that Galfan was 2.8 times better than zinc alone and no less than 3.8 times better than zinc-magnesium,” says Thomas Pettersson at SSAB.

Galfan – the best for the Nordics

Atmospheric-corrosion is measured in different categories. In the Nordic region typical categories are C2 (urban and rural areas in the Nordic region) and in some cases C3 (marine environment). At the marine environment testing grounds in Bohus-Malmö (C3), Sweden, test panels have been outside for many years to clarify how different zinc-based coatings withstand weather in real-life conditions.

The results differ clearly from laboratory salt-spray tests, the real-life tests giving Galfan ZA 255 a convincing victory.

Benefits

Galfan is a zinc-based coating used in a variety of segments and on different steel grades to extend the useful life of steel parts. Alternatively, traditional zinc coating can be replaced with a thinner Galfan coating, which offers better welding and forming properties.

Read more

If you want to read more or study fact sheets and other technical information, click here:

<https://www.ssab.com/products/steel-categories/metal-coated-steels/coatings/zinc-coating>

For further information, contact Anu Jauhiainen by email: anu.jauhiainen@ssab.com, or mobile phone +358 40 549 0184

You can also send your question to: metalcoated.tcs@ssab.com

(*)The test was conducted by the French Corrosion Institute in collaboration with Swerema KIMAB.

- <https://www.institut-corrosion.fr/activities/natural-outdoor-exposure-sites/?lang=en>
- <https://www.institut-corrosion.fr/wp-content/uploads/2018/03/Field-testing-Europe-Asia-and-the-US.pdf>

RISE certificate:

- <http://publiccert.extweb.sp.se/sv/Product/Search/galfan>

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