

If you are unable to read our e-mail, or only partially, please [click here](#).

GSB News



Dear members of the GSB,

in today's issue we take a closer look at coating materials and explain why the Florida 1, 3, 5 and 10 classification has no effect on the corrosivity class.

Your GSB Team



Technique

Corrosivity classes and the choice of coating materials



In the near past, the GSB has received several requests for information on which GSB-certified coating materials to use for a specific corrosivity class to be achieved. Corrosivity classes according to ISO 9223 (C1 to C5) are used to describe the corrosiveness of an environment. For this reason, we have summarized the topic for you below:

The classification **Florida 1, 3, 5 and 10** has no influence on the corrosivity class which can be achieved by coated profile or metal sheet. The numbers stand for the ageing time in Florida, where test sheets coated with the coatings are exposed to the sun in Florida. This test is used to determine the residual gloss and color stability.

With **Florida 1** classified coating materials show a residual gloss of $\geq 50\%$ after one year in the sun in Florida. **Florida 3** systems show a residual gloss of $\geq 50\%$ after 3 years in the sun in Florida and so on.

The Florida 1, 3, 5 and 10 classifications, however, have no influence on the corrosivity classes, as has already been pointed out. These are influenced by the pretreatment carried out. Also, Standard, Master and Premium Coaters are not obliged to use a specific category of GSB approved coating materials. You may choose from Florida 1 to 10 from the complete GSB range.

GSB Approved Coater Standard Aluminium, for example, proves that the 1000 hour AASS test shows that the corrosivity class C3 is reached. This test must also be performed by GSB Approved Masters and Premium Coaters for aluminum.

However, the additional seals allow **GSB Approved Master- and Premium Coater Aluminium** to provide proof that higher corrosivity classes have been achieved. The **additional seal Sea Proof** provides proof of the corrosivity class C4. If the coater uses the additional seal **Pre-Anodisation Sea Proof Plus**, he provides proof of class C5.

For the sake of completeness it should be mentioned here that GSB Master Coater Aluminium can optionally apply for one of the additional seals. GSB Premium Coater Aluminium must have one of the additional seals. GSB Standard Coater Aluminium, however, can not have an additional seal.

If you have further questions on this topic, please contact Philipp Mader: philipp.mader@gsb-international.de



© 2020 GSB International e.V. · Fritz-Vomfelde-Straße 30 · D-40547 Düsseldorf · Tel. +49 (0) 211 - 47 96 - 450 / - 451 · info@gsb-international.de · [Contact Form](#) · [Imprint / Privacy policy](#) · [Committees](#) · [Links to testing institutes and cooperation partners](#)

If you are not interested in future newsletters, you can unsubscribe [here](#).