

Official Statement QCT 3.0 - EC 20.05.22 (Item 6)

Qualicoat starts looking at the alloy structure itself and introduces the Qualicoat 3.0 project

The use of recycled aluminium is increasing all over the planet as it holds an important benefit for the environment and minimizes energy consumption at the production stage. However the quality of the recycled alloy or the lack thereof, holds specific risks for the durability of the coated end product.

Extensive research completed by the QUALICOAT membership has shown that the alloy requires an aluminium grade AA 6060 or AA 6063 where the relationship between alloying elements, extrusion quality, microstructure and corrosion potential meet the details laid down in the appendix of the latest QUALICOAT Standard.

With the extra tests developed in this project, Qualicoat 3.0 allows for the use of both primary and recycled aluminium and is to be awarded to the aluminium extruder that passes the following tests: an Optical Emission Spectroscopy test, an Anodic Cyclic Polarisation test and a Metallographic Study.

A QUALICOAT 3.0 specification will require a coating member to carry the 'Seaside' class membership as this is a prerequisite coating procedure for QUALICOAT 3.0.

QUALICOAT 3.0 is already available for specific projects. Please contact us.