STEEL FOR PACKAGING

Date: 23/07/2020

Declaration of Conformity of Chrome Free Passivation Alternative (CFPA) material with the new draft of the EuroNorm EN10202 (Cold reduced tinmill products — Electrolytic tinplate and electrolytic chromium/chromium oxide coated steel).

The EuroNorm – EN10202 for Cold Rolled tinplate products – is currently being updated to include reference to Titanium / Zirconium passivation (CFPA).

Within this draft, standards are now defined for the CFPA passivated tinplate material.

There are 2 variations of CFPA material – Code 505, with no conditioning step, and Code 555, where the passivation is preceded by a conditioning step (anodic treatment in sodium carbonate) in order to obtain a Tin Oxide layer with a minimum level of 0.3 C/dm^2.

The thickness of the passivation layer is controlled by measurement of the Titanium content which should be between 0.8 and 1.2 mg/m^2 except by agreement of the customer, in which case there may be lower limit of 0.6 mg/m^2 to an upper limit of 1.4 mg/m^2 where this can be shown to have no negative effects on performance.

All APEAL members have confirmed that, within the scope of that members' product portfolio, they produce CFPA material in-line with the specification set out in the new draft EN10202.

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