

Unicoil Introduces Chromium Free Pre-painted Galvanized Steel

By MeSteel

Further to the development of trivalent chrome galvanized steel, Mogalvin – Trichrome, Unicoil R&D team, along with its technical partnership from Beckers, successfully developed Chromium-free Pre-painted Galvanized steel.

Chromium-free pre-painted galvanized steel is an extra eco-friendly product, produced by applying a chemical conversion coating layer and a primer coating layer, both chromium-free, on the surface of the hot-dip zinc coated steel substrate, and then applying a topcoat. Since the topcoat does not contain any chromium even in conventional pre-painted galvanized steel, this new product is completely chromium-free and complies with ROHS regulations. (ROHS: Restriction of Hazardous Substances directive).

The chromium-free chemical conversion coating layer has excellent adhesion properties. The newly designed primer coating layer, which uses a special resin and custom formulated corrosion inhibiting additives, makes the pre-painted galvanized steel highly corrosion resistant and at the same time, highly formable giving equal or superior performance as that of conventionally processed pre-painted galvanized steel.

This qualitative development of Unicoil's product comes as part of the Company's efforts and compliance with highest international standards and best practices, as well as its ongoing commitment to the use of lead-safe zinc.

Unicoil announces that it is now ready for the commercial production of its new chromium-free pre-painted galvanized steel in all its pre-painted products under the brand names of Molowan and Colorite, suitable for various applications, especially for Electrical appliances.
