

Unicoil Launches Chromium-Free Pre-painted Galvanized Sheet

Saudi Arabian flat steel re-roller and coater Unicoil has launched production of chromium-free pre-painted galvanized coil and sheet, the company said on Sunday April 10.

Chromium-free pre-painted galvanized steel is an eco-friendly product. It is produced by applying a chemical conversion coating layers and a primer coating layer, both chromium-free =, to the hot dipped zinc-coated steel substrate, and 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 EU's Restriction of Hazardous Substances (RoHS) directive, Unicoil said.

“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 to that of conventionally processed pre-painted galvanized steel”, Unicoil said.

The company is now ready to start commercial production of the product, under the brand names Molawan and Colorite. These are said to be suitable for various applications, and especially for electrical appliances.

Unicoil recently started production of anti-bacterial and energy-saving PPGI (pre-painted galvanized iron) products.

Unicoil produces 400,000tpy of pickled and oiled coil, 340,000 tpy of cold rolled coil (CRC), 250,000 tpy of hot dipped galvanized coil (HDG), 210,000 tpy of PPGI, and 18 million linear meters per year of pre-painted corrugated coil at its plants in Jubail and Jeddah.
