

QUARTZ-ZINC® NG

Technical data sheet

on surface treatment

QUARTZ-ZINC® is a rolled zinc, alloyed with copper and titanium, conforming to the European standard EN 988, which has received a surface treatment in workshop, providing immediately a light grey appearance, similar to that of the natural patina which forms on zinc after several months of atmospheric exposure.

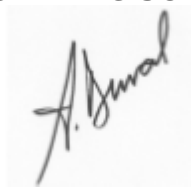
This treatment, also called preweathering, is a chemical conversion treatment converting the metallic zinc surface into zinc phosphate.

The mean characteristics of this thin conversion deposit are the following (indicative):

Nature	: quadrihydric zinc phosphate (hopeit)
Weight	: 35 mg/dm ²
Thickness	: about 1 micrometer
Solubility	: insoluble in water
Tone	: luminous luminance $22 \leq Y \leq 25$ (light grey)

At the end of the preweathering process of QUARTZ-ZINC®, a Thin Organic Coating (TOC) by a 1 to 2 micrometers is applied on both sides of the zinc. This TOC is an acrylic resin containing innovative anticorrosion agents, without chromates.

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