

QUARTZ-ZINC STRAT®

Surface treatment technical data sheet

QUARTZ-ZINC STRAT® consists of rolled zinc alloyed with copper and titanium that complies with European standard EN 988 and the surface of which has a pre-weathering treatment upon which a transparent primer is applied, followed by a coating.

The pre-weathering treatment applied to **QUARTZ-ZINC STRAT®** is the same as that used for **QUARTZ-ZINC®**.

This treatment consists of chemically converting the upper crystalline structure of the metal that transforms zinc into zinc phosphate. It gives rolled zinc a bright grey aspect, similar in colour to the patina that forms on natural zinc after several months of exposure to the atmosphere.

As an indication, the average characteristics of this conversion coating are as follows:

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|------------|---|
| Nature | : quadric-hydrated zinc phosphate (hopeite) |
| Weight | : 35 mg/dm ² |
| Thickness | : approx. 1 micrometer |
| Solubility | : insoluble in water |
| Colour | : Y luminance = approx. 7 (bright grey) |

The transparent primer serves as an adhesive layer and improves the corrosion protection. It is 15 micrometers thick.

The transparent resin is a high durability polyurethane resin. The coloured coating is 20 micrometers thick.

Department Head Quality

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November 2017