

## PIGMENTO®

### Surface treatment technical data sheet

PIGMENTO® 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 colored coating.

The pre-weathering treatment applied to PIGMENTO® 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 color 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:

Nature: quadric-hydrated zinc phosphate (hopeite)  
Weight: 35 mg/dm<sup>2</sup>  
Thickness: approx. 1 micrometer  
Solubility: insoluble in water  
Color: Y luminance = approx. 25

The transparent primer serves as an adhesive layer. It is 15 micrometers thick.

The colored coating is a transparent resin into which pigments are inserted by coloring. The transparent resin is a high durability polyurethane resin. The pigments are mineral and therefore entirely insensitive to UV. The colored coating is 20 micrometers thick.

**Department Head Quality**

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