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The product

NTC is one of the leading high-tech company developing nano coatings. Beside excellent corrosion protection a lot of additional useful functionalities, like “easy-to-clean” effect, high temperature resistance, etc. can be implemented!

Surface features

The dry layers are very thin with values of 3 -10µm following hardening. The materials are resistant to a large number of chemicals. They can not be etched by organic solvents which distinguishes them from all other standard paints based on organic polymers. The resulting coatings are transparent or colour-pigmented with very good adhesive properties on various surfaces, e.g. Metal (Al, Mg, steel, etc.), Glass, Ceramics/Concrete.

Application

The liquid coating material can be processed similar to conventional paint materials in terms of application, i.e. by spraying, dipping, painting, rolling, casting, flow-coating.

Benefits for the customer

The surfaces of many materials can be protected with a thin layer. Other features can also be provided at the same time:

- Very good protection against corrosion
- New functionalities like “easy-to-clean” effect
- Surfaces with decorative design
- Versatile to comply with dimensional accuracy requirements
- Resistance to high (changes in) temperatures