DISPERBYK-2081

Wetting and dispersing additive to stabilize titanium dioxide, inorganic pigments and fillers in aqueous coating systems without negatively impacting the water, stain or corrosion resistance. Particularly recommended for use in aqueous wood and furniture coatings and in aqueous anti-corrosive primers and direct-to-metal systems.

Product Data

Composition
Solution of polycarboxylic acid salt

Typical Properties
The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Density (20 °C):	1.11 g/ml
Non-volatile matter (20 min., 150 °C):	45 %
Solvents:	Water

Storage and Transportation
To be stored and transported between 5 °C and 40 °C.

Applications

Coatings Industry

Special Features and Benefits
DISPERBYK-2081 uses electrostatic stabilization to deflocculate the pigments. The deflocculating property of the additive results in increased gloss and a reduced millbase viscosity. As a result of its hydrophobic nature, the additive minimizes water absorption in the entire coating system, which has a positive effect on the stain and corrosion resistance. DISPERBYK-2081 is particularly suitable for use in aqueous anti-corrosive primers and direct-to-metal systems in which it positively influences the wet and dry adhesion. It is also recommended for aqueous wood and furniture coatings.

Recommended Use

Wood and furniture coatings	■
Protective coatings	■
Architectural coatings	■
Industrial coatings	□
Automotive coatings	□

■ especially recommended □ recommended

Recommended Levels

Amount of additive (as supplied) based upon pigment:

Fillers and anti-corrosive pigments:	3-6 %
Inorganic pigments:	10-20 %
Titanium dioxides:	3-6 %

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

For optimum performance, the additive must be incorporated into the millbase before the addition of pigments. Simply pre-mix the water and additive. In all cases, only add the pigments when the additive has been thoroughly distributed.

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