RHEOBYK-7580

Highly efficient, liquid anti-settling and anti-sagging additive for solvent-based coating systems.

Product data

Composition
Modified wax in xylene

Cumene-free

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

Density (20 °C):	0.88 g/cm³
Non-volatile matter (60 min, 125 °C):	20 %
Solvent:	xylene
Flash point:	27 °C
Delivery form:	dispersion

Storage and transportation
Product shelf life in unopened original packaging: 15 months
Temperature sensitive. To be stored and transported at a temperature below 35 °C. Stir before use.

Applications

Coatings industry

Special features and benefits

- Excellent anti-settling properties in solvent-based coatings
- Improved sag resistance in highly filled systems
- Particularly suitable for primers and zinc-rich coatings
- Ideally suited for formulations containing zinc or metal effect pigments due to its anhydrous nature
- No gassing issues thanks to water content of 0 %
- Minimal impact on in-can viscosity
- No negative impact on gloss or haze, allowing its use in high-quality topcoats
- Synergistic effect when used in addition to other rheology additives, such as CLAYTONE grades
- Cumene-free

Recommended use
RHEOBYK-7580 is for use in solvent-based systems, including zinc-rich and highly filled coatings such as road-marking paints.

Marine and protective coatings	■
Architectural coatings	□
General industrial coatings	□

■ Especially recommended □ Recommended

Recommended levels

0.7-2 % additive (as supplied) based on the total formulation.

When used in zinc-rich coatings, it may be necessary to use a higher concentration (2.0 % active substance of the additive on the total formulation).

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

RHEOBYK-7580 is preferably added to the millbase and activated under shear. In systems containing xylene, an activation temperature of at least 43 °C is recommended. If the polarity of the system is sufficient and residual heat is available, addition during the let-down stage is also possible. Post-addition of unheated product is not recommended.

In very non-polar systems, particularly those based predominantly on aliphatic solvents, an activation temperature of at least 53 °C is recommended. There is no maximum activation temperature and no specific cooling procedure required after incorporation.

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