

DISPERBYK-2170

Solvent-free compatibilizer to improve the colorant acceptance in aqueous and solvent-borne systems. Also suitable for post-addition.

Product data

Composition

Polyurethane

Typical properties

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

Density (20 °C):	1.07 g/cm ³
pH value (1 % in water):	9.0
Active substance:	100 %
Amine value:	6.5 mg KOH/g
Delivery form:	liquid

Storage and transportation

Product shelf life in unopened original packaging: 36 months
To be stored and transported at a temperature below 50 °C.

Applications

Coatings industry

Special features and benefits

- Excellent compatibilizer to improve colorant acceptance (e.g. for point-of-sale colorants), when:
 - Post-added to the base paint
 - Added to the millbase as co-dispersant
- Molecular structure with multiple types of pigment-affinic groups enables:
 - Broad compatibility in solvent-borne and aqueous systems
 - Versatile pigment affinity
- Increases color strength and long-term color stability
- Reduces flooding and floating of pigments
- Creates anti-settling properties in some systems and improves in-can stability
- Can also be used as stand-alone wetting and dispersing additive

Recommended use

DISPERBYK-2170 is suitable for use in aqueous and solvent-borne systems.

Wood and furniture coatings	☒
Architectural coatings	☐

☒ Especially recommended ☐ Recommended

Recommended levels

0.5-2 % additive (as supplied) based on the total formulation when used as a compatibilizer to improve colorant acceptance.

10-50 % additive (as supplied) based on the total wetting and dispersing additive content when used as a co-dispersant.

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

Incorporation and processing instructions

When used as a post-add compatibilizer:

To improve colorant acceptance, the additive can be post-added into the coating with low shear forces.

When used as a millbase compatibilizer:

For optimum performance, the additive must be incorporated into the millbase with other wetting and dispersing additives before the addition of pigments.

When used as a wetting and dispersing additive:

The additive must be incorporated into the millbase before the addition of pigments. The pigments should be added only after the additive has been fully distributed.



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