

Technical Data Sheet

WorléeDisperse 8405 W

polymeric dispersing agent for inorganic and organic pigments

Art.-No. 114011-21870

update: 19.03.2025

Technical Data:

	Value	Method*
Appearance	clear to slightly turbid, yellowish liquid	
Chemical characteristic	block copolymer with pigment affinity groups	
Delivery form	approx. 40% in water	

*according to the respective DIN-Norm

Application and Properties:

WorléeDisperse 8405 W is an universal polymeric dispersing additive for both organic and inorganic pigments for use in water-based systems such as highly filled pigment pastes or direct rubs.

The positive influence on the flow and gloss of water-based coatings rubbed with WorléeDisperse 8405 W should be emphasized. Furthermore, the use of WorléeDisperse 8405 W suppresses pigment floating and phase separation. The tendency for pigments to settle at the bottom of the container is reduced by the use of WorléeDisperse 8405 W.

WorléeDisperse 8405 W is also particularly suitable for the manufacture of pigment pastes and glazes based on micronized iron oxide.

Dosage:

WorléeDisperse 8405 W is added before the pigments are added before dispersion.

Direct abrasion: 1% to 2% calculated as delivery form and based on the total formulation.

Pigment concentrates: 15% to 30% for organic pigments, 100% to 120% for pigment blacks, 5% to 10% for titanium dioxide, 15% to 25% for inorganic pigments, calculated as a delivery form in relation to the pigment content.

As the required proportion of WorléeDisperse 8405 W depends on the formulation, optimization should be carried out by serial tests.

Shelf Life and recommended Conditions for Storage and Transport:

The storage stability of WorléeDisperse 8405 W in the originally closed container is six months at a storage temperature between +5 and +25 °C, counted from the day of the delivery ex works.

WorléeDisperse 8405 W has to be stored in tightly closed containers within a temperature range of 5 °C to 30 °C. Due to its water content, it has to be protected from frost.