

Technical Leaflet

WorléeDisperse 8400 W

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WorléeDisperse 8400 W is a polymeric dispersing agent especially suitable for inorganic as well as organic pigments in water based systems. It can be used either in pigment pastes or direct grinds.

WorléeDisperse 8400 W does not contain alkylphenylethoxylates (APEO).

Technical Data:

Active substance	50% ± 2
pH-value, delivery form	approx. 6
Appearance	clear, colourless to yellowish fluid
Solvent	water

Key Features:

Suitable for water based coatings.

Especially suitable for direct grinds as well as highly filled inorganic pigment preparations.

Prevents pigment flooding and phase separation.

Reduces settlement of pigments.

Application and Properties:

WorléeDisperse 8400 W is especially suitable for direct grinds and highly filled pigment preparations with inorganic or organic as well as mixed pigmentation. Noteworthy is its ability to enhance the gloss of water based coatings when used as dispersing agent. Furthermore, WorléeDisperse 8400 W successfully prevents pigment flooding and phase separation. Pigment settlement can be effectively reduced by using WorléeDisperse 8400 W.

Dosage:

For optimum results, WorléeDisperse 8400 W should be completely dissolved in water before adding the pigment. After grinding, all other components of the formulation should be added. The amount necessary depends on several factors like the pigment used and the milling base. It has to be estimated for each formulation individually, most preferably in row trials. In general, amounts (calculated on delivery form based on the amount of pigment) as given below should be suitable for a start:

WorléeDisperse 8400 W

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Printing inks: 8% to 10% for titanium dioxide, 12% to 40% for organic pigments or carbon black.

Paint formulations or pigment pastes 8 % to 10% for titanium dioxide, 15% to 25% for inorganic pigments, 25% to 60% for organic pigments, and 100% to 120% for carbon black.

Recommended Storage and Transport Conditions:

WorléeDisperse 8400 W has to be stored in tightly closed containers in a temperature range of 40 °F to 85 °F (5 °C to 30 °C). Due to its water content, it has to be protected from freeze.

Shelf Life:

The storage stability of WorléeDisperse 8400 W in the originally closed barrel is at a storage temperature from +5 to +25 °C twelve months, counted from the day of the delivery ex works.