

## Technical Leaflet

# WorléeDisperse 8405 W

Art.-No. 114011-21870

Revision: 26.09.2024

Polymeric dispersing agent for inorganic and organic pigments.

### Technical Data:

|                         |  |
|-------------------------|--|
| Appearance              | clear, colourless to yellow liquid           |
| Active substance        | approx. 40% in water                         |
| Chemical characteristic | block copolymer with pigment affinity groups |

### 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.

### Recommended Storage and Transport Conditions:

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

WorléeDisperse 8405 W

**Shelf Life:**

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