

# TECHNICAL INFORMATION

Revision: 2  
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Page: 1/2

## NEWOTEC<sup>®</sup> 310

**Product Category:** Dispersing and wetting agent for pigments/fillers in organic liquids

**Fields of Application:** Dispersions of pigments or fillers in organic carrier liquids, especially for use in PU colour pastes to disperse inorganic and organic pigments, carbon black, calcium carbonate, titanium dioxide etc.

**Product Characteristics:** > combination of anionic and non-ionic surfactants  
> free of APEO

**Chemical Composition:** Mixture of substituted polyglycol ethers and amines

**Technical Data:**

Appearance (20 °C):	colourless liquid
Active content:	100%
Flash point:	>80 °C
Boiling point:	>100°C
Solidification range:	< 0°C
Compatibility:	compatible with most solvents used in PU colour paste processing within the recommended concentration range

**Storage:**

Shelf life:	in originally sealed drums, approximately 3 years from the date of production under the conditions recommended below
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Storage Conditions:	Recommended storage temperature: min +3°C, max +35 °C Protect from moisture Frost resistant
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**Packaging:** drum / IBC

**Use concentration:** 2 - 10% referring to the weight of the pigment or filler content

We recommend to carry out own lab tests in order to determine the optimum dosage for your particular application, especially when the highest recommended use concentration is exceeded.

## NEWOTEC® 310

### **Application:**

NEWOTEC® 310 must be premixed with the liquid components before adding the pigments or fillers. Then the solid components can be added in portions under continuous high speed mixing. The addition of NEWOTEC® 310 helps to get homogeneous, smooth and well-dispersed pigment pastes of low viscosity.

How to formulate a PU colour paste with carbon black:  
(example, values in percent by weight)

PU resin	32.5
dimethyl formamide DMF	32.5
NEWOTEC® 310	2.5
carbon black	32.5

### **Further Information:**

NEWOTEC® 310 does not significantly affect the light fastness or the heat stability of most polyurethanes.

The data in this technical information are derived from practical experience. They do not guarantee specific product properties or the suitability of the product for particular applications. Lab or pilot tests should be carried out in any case. Due to many different possible process conditions we cannot assume any liability. Any existing industrial patent rights have to be respected. Additional information on product properties pertaining to working safety as well as environmental protection can be found in the material safety data sheet.