

## CLiQSPERSE® 140

Wetting and Dispersing Agent

**CLiQSPERSE 140** is a 100% active VOC-free polymeric wetting- and dispersing agent. The labelling-free dispersant is applied in aqueous coatings, inks, pigment concentrates for ambient cured unsaturated polyester systems and liquid masterbatches for thermoplastic systems.

**CLiQSPERSE 140** is suitable for all kinds of pigments and provides maximum colour strength, gloss retention, and excellent colour acceptance in a variety of systems. It prevents re-flocculation and stabilizes pigments in paints and pigment concentrates through steric stabilisation.

**CLiQSPERSE 140** reduces grinding time and provides viscous concentrates, allowing higher pigment concentrations. The dispersant is particularly recommended for stabilisation of effect pigments in waterborne concentrates.

### Typical values:

Appearance:	clear to hazy liquid
Active content:	100 %
Density:	ca. 1.02 g/cm <sup>3</sup>

### Level of Use / Incorporation:

**CLiQSPERSE 140** is best dissolved and homogenised in the grinding media, such as water or resin before adding pigment or extender. The optimum loading level should be determined for each system using a loading ladder study.

The following loading levels, based on pigment load, are recommended as a starting point:

Inorganic pigments:	1 - 10%
Organic pigments:	10 - 25%
Carbon blacks:	20 - 50%

**CLiQFLOW 140** should be stored in a dry place at above 15°C. The material may get solidified at lower temperatures. Heating to 30°C and mixing is then recommended. The minimum shelf life is 36 months when stored in unopened packages.

For information on health and safety information, please consult the Material Safety Data Sheet.

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This information is based to best of our knowledge and on test results obtained in our laboratory. It is given in good faith and should only regard as recommendations. No warranty is given, and it is advised to all users to evaluate the products carefully for their intended use. Please also consider all further information, labels, and especially the safety data sheet! For further questions, technical service, and samples, please feel free to contact us.