

## CLiQSPERSE® PB

Wetting & Dispersing Agent

**CLiQSPERSE PB** is an acidic co-polymer-based wetting and dispersing agent for non-aqueous systems. The dispersant is applied in unsaturated polyester systems for closed mould and pultrusion systems to disperse and stabilize inorganic pigments and extenders. CLiQSPERSE PA is recommended for low emission systems.

**CLiQSPERSE PB** significantly reduces the viscosity of filled unsaturated polyester-based SMC, BMC, and pultrusion systems. This allows a very high extender load, which is particularly important in systems where large amounts of aluminium trihydrate are used to achieve the required flame retardancy.

**CLiQSPERSE PB** also improves glass fibre wetting due to the low viscosity achieved in a filled unsaturated polyester system.

### Typical values:

Appearance:	yellowish liquid
Active content:	ca. 55 %
Density:	ca. 1.03 g/cm <sup>3</sup>
Solvents:	MPA / aromatic hydrocarbon

### Level of Use / Incorporation:

**CLiQSPERSE PB** is best mixed with binders and/or solvents prior to pigment or extender addition.

The optimum loading level of **CLiQSPERSE PB** should be determined for each system using a loading ladder study.

A loading level between 1.0 - 3.0% on total is typically needed to achieve the required viscosity reduction in calcium carbonate or aluminium trihydrate filled systems.

**CLiQSPERSE PB** should be mixed before use. Storage at lower temperatures may cause cloudiness in the product. It is recommended to heat the product to max 40°C and mix properly. This does not impact the product performance. The minimum shelf life is 60 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.