UNIQ®SPERSE P-904

Pyrogenic silica rheological effectiveness additive

0=no effect   5=strong effect
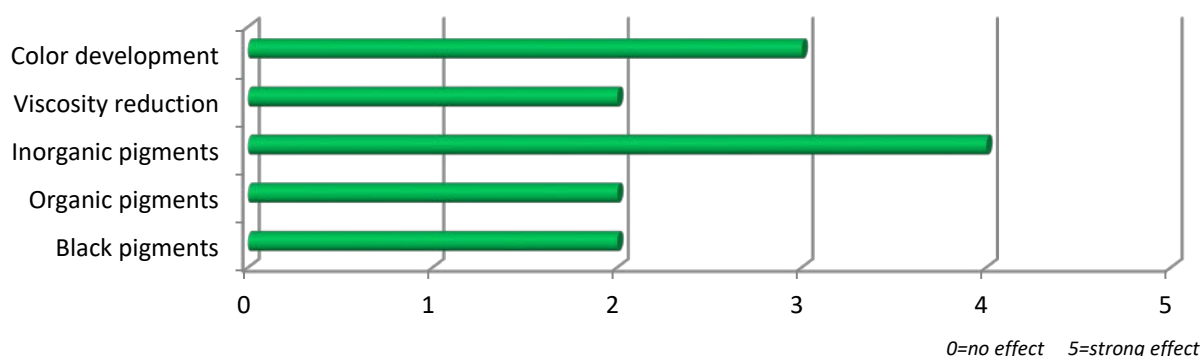
UNIQ®SPERSE P-904 is a wetting and dispersing additive in unsaturated resin systems and adhesives. It's no silicone dispersant. The additive prevents the flooding/floating and settling of pigments and fillers in epoxy and VE/UP-based laminates. Reduction in the flooding/floating of colored pigments in gel coats. And it can reinforce the rheological effectiveness of pyrogenic silica to increase and stabilize the thixotropic behavior.

Special Features

- Prevention of flooding and floating
- Reduce dispersion time
- Reduce tendency of Bernard cells
- Stabilization of the pigment dispersion
- Decrease pigment sedimentation
- Reinforce the rheological effectiveness of pyrogenic silica

Application

Ambient curing system	
Vinyl/UPE	■
Epoxy	■
Adhesives and sealants	
Vinyl/UPE	■
Epoxy	■
Pultrusion	
Vinyl/UPE	■

highly recommended ■

recommended ❑

Product Specification

Active ingredients	50 %
Solvents	Hydrocarbons C9 aromatics/Xylene/MIBK
Density 20°C	0.95 g/cm^3
Acid value	140 mg KOH/g
Color	Max.12
Appearance	Brownish liquid

Addition levels

Amount of solid additive based on pigment (SOP):

- Inorganic pigments: 1 – 2.5 %
- Titanium dioxides: 0.5 – 2 %
- Organic pigments: 1 – 3 %
- Fillers: 1 – 2 %
- Fumed silica: 5 – 40 %

The above recommended levels can be used for orientation and needs to be optimized by testing.

Packaging

- 25 kg
- 180 kg

Shelf life

UNIQ®SPERSE P-904 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 5 years from the date of manufacture.