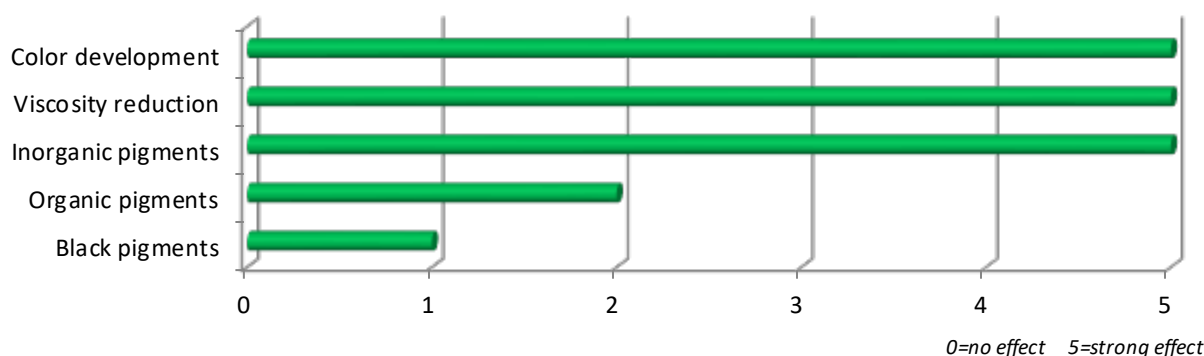


# UNIQ<sup>®</sup> SPERSE P-190

Wetting and dispersing additive for filled unsaturated polyesters



**UNIQ<sup>®</sup> SPERSE P-190** is a wetting and dispersing additive for filled unsaturated polyester. The dispersant is especially suitable for inorganic pigments and filler pigments. Strong viscosities reduction so higher pigment and filler loading in the grinding process can be achieved.

## Special Features

- Wetting and dispersing agent for TiO<sub>2</sub>, inorganic pigments and fillers
- Reduce the viscosity
- increase the pigment and filler loading

## Application

Low emission SMC/BMC X	■
LP and Class A formulations X	■
LS formulations X	■
Pultrusion X	■
Viscosity stabilizer	■

highly recommended ■

recommended □

## Product Specification

Active ingredients	>97 %
Density 20°C	1.10 g/cm <sup>3</sup>
Acid value	110 mg KOH/g
Amine value	10 mg KOH/g
Color	Max.7
Appearance	Brownish sticky liquid

## Addition levels

Amount of solid additive based on pigment (SOP):

- Fillers: 0.5 - 1%
- Titanium dioxides: 1 - 2%

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

## Packaging

- 25 kg
- 200 kg

## Shelf life

**UNIQ<sup>®</sup> SPERSE P-190** 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.