

Super Dispersant D180R

(Similar to BYK-180)

Main components

Alkylol ammonium salt of a block copolymer with acidic groups

Physical parameters

Appearance: light yellow to yellow transparent liquid

Density: 1.115-1.215 g/ml

Flash point: > 100 °C

Active ingredient: 100%

Recommended dosage

Inorganic pigment: 5-10%

Titanium dioxide: 1.5-2.5%

Precautions and advantages

D180R could prevent pigment flocculation through steric stabilization. It provides equal charge to pigments, so it can avoid the possibility of co-flocculation of pigments with unequal charge. Since the particles of the pigment are very small, high gloss, improved color strength, high transparency and hiding power could be achieved. D180R reduces the viscosity, improves leveling and increases the pigment content.

D180R is used in solvent-borne, solvent-free and water-borne coating systems in order to avoid the flocculation of inorganic pigments (particularly of titanium dioxide). D180R is a solvent-free dispersant that can reduce the viscosity, so it is suitable for low VOC and VOC-free systems.

Storage and packaging

25KG and 50KG plastic drums.

Store in a cool, dry and ventilated place away from light. Turbidity and separation may occur at low temperatures (lower than 10 °C). It should be heated at the room temperature before usage, then mixed evenly, so the product quality will not be affected.