

Dispersant D190R

(Similar to BYK-190)

Summary

D190R is a wetting dispersant without VOC and solvents used in water-borne coating systems, printing inks and adhesives. It is a standard additive for resin-free pigment concentrates, it is suitable for various pigments.

Technical indicators

Non-volatile matter: 40%

Acid value: 8-20 mg KOH/g

Density: 1.005-1.102 g/cm³

Solvent: Water

Application area

Architectural coating systems

Wood and furniture coating systems

Automotive coating systems

Tin coating systems

Anticorrosive coating systems

Leather coating systems

Features and Benefits

This additive prevents pigment flocculation through steric stabilization. Since the particles of the pigment are very small, high gloss, improved color strength, high transparency and hiding power could be achieved. D190R reduces the viscosity, improves leveling and fluidity and increases the pigment content.

This additive is used to produce stable resin-free pigment concentrates for the preparation of water-based coating systems without floating and blooming.

Suggested dosage

Inorganic pigments: 20% -30%

Titanium dioxide: 10% -12%

Organic pigments: 30% -75%

Carbon black: 130% -150%

Filler: 1-3%

Addition method and processing guidance: Grinding should be carried out strictly in water (excluding resins, amines, and co-solvents). The dispersant should be mixed with water, then the pigment can be introduced (only after the dispersant is fully and evenly dispersed).

Storage and Packaging

25KG, 50KG plastic drum packaging.

Keep away from heat and ignition sources, and store in a cool, dry, and ventilated place away from light.