

Anti-Floating And Anti-Flooding Dispersing Agent DP104SR

(Similar to BYK-P104S)

First, Properties

Ingredients: high molecular weight unsaturated polycarboxylic acid polymer and polysiloxane copolymer.

Activity Ratio: 50%

Solvent: Xylene

Appearance: yellow to red brown transparent liquid

Acid value: 50-120 mgKOH/g

Second, Application features

1. DP104SR provides controlled flocculation of pigments to prevent flooding, floating and hardening.
2. The dispersant contains a certain amount of polysiloxane copolymer, so it could prevent floating and flooding more effectively, also it could help to avoid the Benard cells, improve the distribution of powders and aluminum pigments.
3. It is suitable for high and middle polarity systems, turbidity and gloss reduction could be caused by excessive amount of the additive in medium and low polarity systems. DP104SR has good anti-flooding effect of organic and inorganic pigments.
4. Relative molecular weight of this dispersant is higher, so it could be combined with other dispersing agents with medium and low molecular weight. The dosage of DP104SR should be higher when used alone to achieve good anti-flooding effect.
5. The comparative test under equivalent conditions shows that the grinding effect of DP104SR is four times higher than BYK-P104S and other similar products (grinding of titanium dioxide, chrome yellow pigment, phthalocyanine pigment and carbon black pigment).

Third, Applications

Solvent-borne paints, inks and pigment pastes.

Fourth, Recommended dosage

Organic pigments – 5-10% upon pigment weight.

Inorganic pigments – 1-5% upon pigment weight (anti-floating, anti-flooding).

Fifth, Storage

It should be stored in cool and dry place and the storage period is one year.