

Water-borne General Leveling Agent Agent D333R

(Similar to BYK-333)

First, Summary

D333R is a high viscosity polyether modified polysiloxane, it belongs to a new type of silicone surfactants (long-chain alkyl and polyether modified silicone oil). It provides a low surface tension to a system. It is suitable for water-borne, solvent-borne and solvent-free inks paints. D333R has an excellent compatibility with polymer film-forming materials. The product has many features such as defoaming properties, emulsification, surface lubrication and softening, moisture retention and solubility enhancement. It provides a good leveling effect in water-borne coating systems. It also has best compatibility and could enhance the slip effectively. It could prevent pinhole formation and does not affect the recoatability.

Second, Physical and chemical data

Appearance: colorless to light yellow transparent oily liquid

Density (25°C): 1.01-1.15 g/cm³

Viscosity (25°C): 300-1000 mPa.s

Active content: 100%

Third, Product application

1. It could improve surface wetting and performance of pigments or fillers in the system. D333R improves the compatibility between fillers and the medium to make resulting coatings smoother and steadier.
2. It could make the surface smoother and improve wetting of the substrate, improve the flow and the gloss and prevent shrinkage.
3. To achieve defoaming properties, shrinkage prevention, floating and fading prevention recommended dosage is 0.05-0.3%
4. In solvent-free systems the effect is the same as described above. To achieve increased wetting of the substrate recommended dosage is 0.3-1%.

Fourth, Packaging

25kg plastic bucket, 50kg metal pail, 200kg plastic bucket, 200kg metal pail or according to customer's requirements.

Fifth, Storage and transportation

Products should be stored sealed and kept in a shady, cool and dried place. Shelf life: 12 months (non-dangerous products).