

WETTING AND DISPERSING

QK3755 Wetting and Dispersing Agent

Positioned against TEGO 755W

VOC-free block copolymer for resin-free waterborne concentrates carrying 30-60% pigment.

Overview

QK3755 is a high molecular weight block copolymer dispersant with pigment affinity groups, supplied at 40% active in water and free of VOC below 1500 ppm. It is written for resin-free waterborne pigment concentrates carrying 30 to 60% pigment, which can then be used to tint standard waterborne bases such as acrylic dispersions or water-soluble acrylic resins.

Typical Data

Property	Value
Chemical composition	High molecular weight block copolymer solution with pigment affinity groups
VOC	None, below 1500 ppm
Appearance	Light yellow liquid
Active ingredient	40 +/- 2%
Density	Approximately 1.06 g/cm3
pH	6-8
Solvent	Water
Storage	10-40C, out of direct sunlight
Shelf life	24 months from production date
Packing	25 kg / 200 kg

Recommended Dosage

Basis	Addition level
Inorganic pigments	10-15%
Organic pigments	20-60%
Titanium dioxide	5-10%
Carbon black	60-120%

Dispersant figures are percentages on pigment weight, not on the total batch. Published values are empirical; confirm the optimum with a dosage ladder in your own system.

Use Guide

- Grind in water only, without resin, amine or co-solvent, then let down.
- Mix the additive into water before adding pigment.
- If the drum has been below 0C, warm it to 20C and stir before drawing product.
- Avoid direct skin contact; rinse with soap and water if it occurs.

Applications

- Universal tinter production for waterborne bases
- Waterborne wood coatings

- Waterborne industrial coatings
- Waterborne inks

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