



Polysiloxane based defoamer emulsion with hydrophobic components

Description

Borchers® AF 0670 efficiently reduces foam formation during production and application of water based paints and coatings, inks and adhesives.

Characteristic data

Appearance:	white, low viscous to slightly paste-like liquid	
Non-volatile content (%):	10 - 14	Borchers test method 100-85 (2g, 1h, 110 °C) (based on EN ISO 3251)
Viscosity (mPas):	max. 1000	EN ISO 3219
Density (g/ml):	0.98 – 1.02	DIN 51757 (procedure 3)

Properties

Borchers® AF 0670 is a highly active defoamer. **Borchers® AF 0670** can be used both in clear and pigmented systems and is easy to incorporate. The efficiency is independent of the curing mechanism. Due to its unique molecular structure, it has little impact on film integrity.

Applications

Borchers® AF 0670 is characterized by good efficiency with little impact on surface integrity. In physically and chemically curing systems based on polyurethanes (including acrylate modification), hydroxyl bearing polyacrylates and acrylate dispersions **Borchers® AF 0670** increases density and provide homogenous film built after application.

Furthermore it can be combined with silicone based additives to improve surface characteristics. Use in combination with *Baysilone®-Lackadditiv 3468* and *Borchi® Gol LA 2* to obtain additional leveling, scratch resistance and substrate wetting properties.

Dosage

Borchers® AF 0670 can be added to the formulation at any stage, including post addition. The required amount of **Borchers® AF 0670** depends on the required effect and the type of system. Usual amounts are approximately 0.1 to 1.5% by weight on total formulation. The exact addition rate must be determined in each individual case by performing preliminary tests.



Recommended dosage

Wood and furniture coatings:	0.1 to 1.0 % on total formulation
Printing inks and overprint varnishes:	0.3 to 1.5 % on total formulation
General industrial coatings:	0.1 to 1.0 % on total formulation
Adhesives:	0.2 to 0.5 % on total formulation

Storage

Protect from the effects of weathering and store at temperatures between 5 and 30°C.
Once opened containers should be released immediately after each removal of the product.

Safety

Please refer to our safety data sheet for information relating to product safety.

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