

Borchers® AF 1171

Solvent-Free, polysiloxane based defoamer and anti-foaming agent, VOC-free

Physical Characteristics

Appearance	Milky white liquid
Non-volatile content	Min. 98 % ISO 3251 (1g, 1h, 125 °C)
pH	Neutral
Density	1.01 - 1.05 g/ml ISO 2811-3 (25 °C)
Viscosity	210 - 290 mPa.s ASTM D 1638 (25 °C)
Color	NA
Flash point	250 °C
Refractive Index	NA
Turbidity	NA
Solvent(s)	NA

Features

- Improves film gloss, substrate wetting, color strength in pigmented systems
- Avoids microfoam formation during manufacturing
- Easy to emulsify in water
- Should be used in grinding step, but can also be added in let-down or post-add
- Supports quick air release of entrapped air in the surface during application
- VOC-free

Applications

- Coatings based on
 - Water soluble alkyds
 - Polyurethanes
 - Styrenes
 - Straight and vinyl acrylates
 - Hydroxyl-bearing polyacrylates

Dosage

The recommended dosage is 0.05 - 1.50 % Borchers® AF 1171 to the total weight of the formulation depending upon the binder system and which property is being addressed. The exact dosage should be experimentally determined. In pigmented systems, 2/3 of the defoamer portion should be added to the grind and 1/3 to the letdown.

Storage

Protect from the effects of weathering and store at temperatures between 5 and 30 °C. Once opened, containers should be resealed immediately after each removal of the product. Separation may occur, mix well before use.

Safety

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

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PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.