MODAFLOW® AQ 3000 additives

Technical Datasheet

TYPE

Acrylic flow additive for aqueous coatings, without silicone addition

FORM OF DELIVERY (f.o.d.)

Active substance

approx. 50 %

PRODUCT DATA

Determined per batch:

Dynamic Viscosity (Brookfield) DIN EN ISO 2555		
dynamic viscosity (7; 20 1/min; 25 °C)	[mPa.s]	45000 - 120000
Colour Scale (Hazen) DIN EN ISO 6271-1		
Hazen colour value		<= 200
Non-Volatile Matter DIN EN ISO 3251		
non-volatile matter (1 h; 150 °C; 2 g)	[%]	47 - 53
Colour / Appearance VLN 250		
colour		colourless to slightly yellow
appearance		clear

Not continually determined:

pH-Value DIN ISO 976		
pH-value (10 %)		8,5 - 10,5
Refractive Index DIN 53491		
refractive index (25 °C)		1,4050 - 1,4150
Density (Liquids) DIN EN ISO 2811-2		
density (25 °C)	[g/cm³]	1,06 - 1,10
Flash Point (Pensky-Martens) DIN EN ISO 2719		
flash point	[°C]	> 93

SUGGESTED USES

Modaflow AQ 3000 is an acrylic flow additive for aqueous coatings. Modaflow AQ 3000 is amine neutralized in water and contains no organic solvents or silicone.

Modaflow AQ 3000 has been developed for use in water-reducible, latex and dispersion systems and is compatible with a broad range of chemistries.

PROCESSING

Modaflow AQ 3000 promotes flow, leveling, provides surface defect control, and aids pigment dispersion.

Suggested use level is 1 - 2 % Modaflow AQ 3000 solids on total coating resin solids.
It can be readily diluted in water and introduced into the coating throughout the formulation process. It may also allow the formulator to reduce solvent content or number of surface modifiers in the coating.

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 365 days.