ADDITOL® XL 123 N FLOW

Technical Datasheet

This product was previously marketed as **ADDITOL® XL 123 N**. All specifications, formulations, and performance characteristics remain unchanged.

TYPE

Flow agent and defoamer based on a modified silicone oil, for air drying and stoving coating systems

FORM OF DELIVERY (f.o.d.)

Active substance

approx. 50 %

Appearance

light yellow, clear, low viscous liquid

PRODUCT DATA

Determined per batch:

Iodine Colour Number DIN 6162		
iodine colour number		<= 5
Refractive Index		
refractive index (20 °C)		1,4420 - 1,4500

Not continually determined:

Density (Liquids) DIN EN ISO 2811-2		
density approx. (20 °C)	[g/cm³]	0,85
Flash Point DIN EN ISO 1523		
flash point approx.	[°C]	31

SPECIAL PROPERTIES

ADDITOL® XL 123 N FLOW serves as additive in solventborne coating systems to increase slip, crack and scratch resistance and to improve flow.
Further advantages are the foam breaking effect (without influence on recoatability) and the prevention of pigment flooding.

SUGGESTED USES

Suitable for radiation curing systems.

ADDITOL® XL 123 N FLOW prevents the formation of stable foam during manufacture and during application of the coatings. Defoaming is better in polar systems than in non-polar systems. No direct influence on intercoat adhesion and recoatabilitiy is observed when the recommended amounts of additive are used.

ADDITOL® XL 123 N FLOW is particularly effective in two-component polyurethane-coatings based on acrylate and alkyd resins and in stoving alkyd/melamine systems. It is effective in preventing foam formation in critical coating applications such as dipping, curtain coating and airless spraying.

PROCESSING

ADDITOL® XL 123 N FLOW additive can be added to the ready-to-apply paint. For fully effective defoaming it is advantageous to add ADDITOL® XL 123 N FLOW right at the beginning of paint manufacture.

The recommended amounts for use range between 0.05 - 0.5 % ADDITOL® XL 123 N FLOW, calculated on total paint.
On account of the large number of possible formulations, the optimum activity should be determined in preliminary trials.

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 730 days.

DISTINGUISHING FEATURES

ADDITOL® XL 123 N FLOW replacesADDITOL® XL 123 FLOW.

Due to its organic modification, ADDITOL® XL 123 N FLOW has a significantly stronger defoaming effect in critical systems than ADDITOL® XL 122 FLOW.