ADDITOL® VXW 5907

Technical Datasheet

TYPE

Defoamer for water dilutable paints, without silicone addition

FORM OF DELIVERY (f.o.d.)

Active substance

approx. 100 %

SPECIAL PROPERTIES

Foam reduction and rapid defoaming through change in surface tension.
In spray application it allows a reduction of flash-off time prior to stoving.
Favourable influences on pigment wetting and flow-out properties.

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219		
dynamic viscosity (25 1/s; 23 °C)	[mPa.s]	140 - 300
pH-Value DIN ISO 976		
pH-value 50 % ethanol (spirit)		6,5 - 8,0

Not continually determined:

Colour / Appearance VLN 250		
colour		pale yellow
appearance		clear to light cloudy
Density (Liquids) DIN EN ISO 2811-2		
density approx. (20 °C)	[g/cm³]	1,00
Flash Point DIN EN ISO 1523		
flash point approx.	[°C]	55

SUGGESTED USES

Additol VXW 5907 is a surface active additive for water dilutable paints, particularly for spray application. In stoving paints, the flash-off time prior to stoving, can be greatly reduced, without causing defects in the cured film. The effectivity varies with the type of the water dilutable paint.
For dipping application or other methods, Additol VXW 5907 may also be used however, other suitable antifoams are Additol XW 314 and Additol XW 393.

Dosage of Additol VXW 5907 is relatively uncritical. In most cases 2 to 3 % Additol VXW 5907 f.o.d. on binder solids (100 %) are sufficient to obtain satisfactory results. Optionally the optimum quantity should be determined in individual tests.

An impairment of re-coatability even with higher doses has not been observed.

PROCESSING

In tests for the effectivity of Additol VXW 5907 and the most effective dose, it can be admixed to the finished paint, but should be incorporated with great care (Dissolver).

On three roll milling it is suitable to add Additol VXW 5907 to the pigment paste prior to milling. However, it should be considered that the effectivity may be reduced through the acidic medium of the paste. Therefore it is advisable to disperse Additol VXW 5907 with the neutralized binder and deionized water, in a slightly alkaline medium.
When pearl milling etc., Additol VXW 5907 should be added to the paint after dispersion, during reducing the paint.

STORAGE

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

Turbidity may occur below 15 °C, which do not affect the effectiveness of the product.

DISTINGUISHING FEATURES

The water-thinnability of Additol VXW 5907 is better than Additol XW 314 and it is therefore used in low solvent content systems (solvent content under 10 %).