All About Resins

TECHNICAL DATASHEET

Liquid Coating Resins and Additives

ADDITOL® VXL 6212 N

PRELIMINARY PRODUCT INFORMATION

TYPE

Cationic, highly molecular resinlike wetting agent for inorganic and organic pigments

FORM OF DELIVERY (f.o.d.)

Active substance

approx. 30 %

DEVELOPMENT PRODUCT

This product is serving for trial purposes only. Deviations which might occur during transfer into manufacturing in a commercial scale are possible and do not constitute any material defect.

TENTATIVE PRODUCT DATA

Determined per batch:

Colour / Appearance VLN 250		
colour		yellow-brown
Dynamic Viscosity DIN EN ISO 3219		
dynamic viscosity (100 1/s; 23 °C)	[mPa.s]	100 - 300
Non-Volatile Matter DIN 55671		
non-volatile matter (150 °C; 10 min)	[%]	29 - 31

Not continually determined:

Density (Liquids) DIN EN ISO 2811-2		
density approx. (20 °C)	[g/cm³]	1,05
Flash Point DIN EN ISO 1523		
flash point approx.	[°C]	57

SPECIAL PROPERTIES

Improves the wetting of also very difficult dispersable pigments in solvent-containing high-grade automotive series, car repair and industrial paints based on acrylates.
Shortens the dispersing time.
Prevents the reflocculation of the pigments.
Improves gloss and levelling.

SUGGESTED USES

Additol VXL 6212 N permits a higher pigmentation of the mill base without interfering viscosity increase and shortens the dispersing time. The ready pigment pastes and paints are distinguished by a high colloidal stability and do not tend to a reflocculation of the pigments.

By using Additol VXL 6212 N, in solvent-containing acrylate systems, a stabilizing effect on the binder can be observed.

The reactivity in baking paints and polyisocyanate cross-linking acrylic systems is not negatively affected by addition of Additol VXL 6212 N.

PROCESSING

Additol VXL 6212 N must be ground jointly with the pigments.

The recommended quantity to be added, calculated on pigment, is as follows:
for inorganic pigments: 3.0 - 10.0 %
for organic pigment: 10.0 - 50.0 %.

We recommend determining the optimum quantity of Additol VXL 6212 N for each pigment or each pigment blend.
Possible foam formation in the mill base may be prevented by an addition of Additol XL 490/50BAC or Multiflow Resin. This additive improves the levelling at the same time.

STORAGE

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

Opened vessels have to be closed immediately.

DISTINGUISHING FEATURES

Additol VXL 6212 N is a n-MP free and non-crystallizing version of Additol VXL 6212, which allows storage at low temperatures with unchanged application characteristics.

In comparison to Additol XL 260 N, Additol VXL 6212 N has a much better effectiveness in acrylate systems.

REMARK:

Data contained in this publication are based on careful investigations (and are intended for information only). Due to scale up of this product there is not yet sufficient experience concerning serial production. We can therefore not exclude, that based on future knowledge product data and other indicated properties in upcoming Technical Data Sheets will be subject to change. We reserve the right to leave the product name unchanged, even if product data or other indicated properties will vary from the present product info. Regardless of the data contained in this publication any user is obliged to carry out tests under his own responsibility as to the suitability of the product for a particular use and to investigate the possible violation of industrial property rights of third parties. Information is therefore not binding and cannot be construed as guaranteeing specific properties of products. We apply our General Sales Conditions.

4.0/17.07.2013 (replaces all previous versions)