

TYPE

Polyurethane thickener for air-drying, aqueous coating systems

FORM OF DELIVERY (f.o.d.)

Active substance

approx. 35 %

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (25 1/s; 23 °C)	[mPa.s]	1500 - 5000
--------------------------------------	---------	-------------

Non-Volatile Matter DIN 55671

non-volatile matter (120 °C; 10 min)	[%]	34 - 36
---	-----	---------

Not continually determined:

Colour / Appearance VLN 250

colour		whitish
--------	--	---------

Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm ³]	1,05
-------------------------------	----------------------	------

Flash Point (Pensky-Martens) DIN EN ISO 2719

flash point approx.	[°C]	70
------------------------	------	----

SPECIAL PROPERTIES

Additol VXW 6388 is an urethane modified polyether with a high thickening effect in the middle shear range.

SUGGESTED USES

Suitable for radiation curing systems.

Additol VXW 6388 is used for thickening and modification of flow properties of waterborne paints in the middle shear area e. g. gloss paints, dispersion paints and anti-corrosive paints.

Combinations of Additol VXW 6388 with Additol VXW 6360 allow adjustment of rheology on adequate demands.

It enables the paintmaker to formulate paints with excellent rheological properties, resulting in improved flow and levelling, film-build and brushability. Additol VXW 6388 can be added directly to the mill-base batch or after pigment dispersion together with the other paint components to the letdown. To gain optimum gloss we recommend to incorporate Additol VXW 6388 after pigment dispersion. It can be added undiluted, but in some cases a pre-dilution with deionized water is advantageous.

DOSAGE

The quantity of Additol VXW 6388 used in paints depends on the wanted rheological properties.

Quantity to be added: 0.1 - 3.0 % on paint formulation.

STORAGE

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

Synthetic additives containing water may freeze or get inhomogeneous at temperatures below 0 °C. By this, the product will not suffer any damage, but the necessary regeneration requires extended heat treatment at 40 - 50 °C with continuous stirring. It is therefore recommended to ensure frostproof storage of such products.

