

TYPE

Dispersant for paints with sensitive cure mechanism

FORM OF DELIVERY (f.o.d.)

Active substance
approx. 100 %

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219
dynamic viscosity [mPa.s] 15000 - 25000
(25 1/s; 23 °C)

Colour / Appearance VLN 250
colour appearance pale yellow clear

Non-Volatile Matter DIN EN ISO 3251
non-volatile matter [%] >98
(1 h; 125 °C; 1 g)

Acid Value DIN EN ISO 2114
acid value [mg KOH/g] 23 - 33
(non volatile matter)

Not continually determined:

Density (Liquids) DIN EN ISO 2811-2
density [g/cm³] 1,11
approx. (20 °C)

Flash Point (Pensky-Martens) DIN EN ISO 2719
flash point [°C] >95

SPECIAL PROPERTIES

ADDITOL XL 6592 is a dispersing agent for all paint systems with sensitive cure mechanism (e.g. acid or base catalyzed). It can be used for inorganic and organic pigments, fillers and extenders. It stabilizes primary pigment particles by steric stabilization as well as electrostatic repulsion. In formulations with high pigment loading ADDITOL XL 6592 reduce the mill base viscosity.

SUGGESTED USES

Suitable for radiation curing systems. ADDITOL XL 6592 can be used for all kind of industrial coating systems because of its broad range of compatibility. It's active content and high effectiveness makes ADDITOL XL 6592 a perfect dispersant in solvent free and low VOC formulations.

ADDITOL XL 6592 is highly recommended for:

- ACURE® technology
- 2 pack Epoxy Resins (solvent borne and 100 % solids)
- High Solid Acrylic Resins
- Melamine cured high bake systems
- UV cured topcoats
- Printing inks

Special features:

- High pigment loading and gloss improvement
- Excellent color stabilization, anti-floating (rub-out) and anti-sedimentation effect
- Extreme hydrophobic polymer allows improved corrosion, water, humidity and weather resistances
- Very good compatibility to all resin systems with sensitive cure mechanism

PROCESSING

ADDITOL XL 6592 delivers best dispersing results when added in the mill-base together with pigments and extenders.

The recommended quantity to be added, is as follows:

- 0,8 – 4,0 % for inorganic pigments and/or extenders
- 4,0 - 24 % for organic pigments

In ACURE based formulations always keep the dosage of ADDITOL XL 6592 as low as requested for pigment wetting. The level of acid catalyst (e.g. succinimide) has to be optimized by ladder study to achieve best hardness development and dry time performance.

STORAGE CONDITIONS

The recommended storage temperature ranges from room temperature to 40 °C. Store the tightly closed container in a cool, dry and well ventilated place and avoid sources of ignition.

SHELF LIFE

Standard Shelf Life is 730 days from the date of manufacturing. For products still in allnex possession allnex may extend the expiration date of a batch upon re-testing by QC.