

TYPE

Phenolic paint additive

Active substance

approx. 50 %

FORM OF DELIVERY (f.o.d.)

50 % in solvent mixture (50LG)

Appearance

low-viscous liquid

PRODUCT DATA

Determined per batch:

Iodine Colour Number DIN 6162

iodine colour number <= 60

Not continually determined:

Colour / Appearance VLN 250

colour brown

Density (Liquids) DIN EN ISO 2811-2

density [g/cm³] 0,93
approx.
(20 °C)

Flash Point DIN EN ISO 1523

flash point [°C] 37
approx.

SPECIAL PROPERTIES

Prevents surface defects in oxidatively drying paints, like icing, wrinkling, shrinkage. Enhances through-drying, levelling and hardness.

For paints on oil and alkyd resins.

SUGGESTED USES

Additol XL 109 is a specific antioxidizing agent for oxidizing paint systems and inhibits or retards the crosslinking reactions initiated by air oxygen in the surface of paint films. Thus Additol XL 109 acts as antiskinning agent and impairs too quick drying of the surface. The paint films remain liquid for longer times and oxygen can contact the deeper layers of the films. Through drying is enhanced and becomes uniform over the whole layer of the film. Surface defects usually due to inuniform drying, like icing, wrinkling and shrinkage can be prevented. At the same time, gloss, levelling, and film hardness are enhanced.

Additol XL 109 remains active in the paint on prolonged storage in closed containers. Crystallization eventually occurring on storage at lower temperatures can be dissolved by gentle heating.

We recommend to jointly use Additol XL 109 and Additol XL 297. Both additives are supplementary in effect giving superior performance in respect of antiskinning, drying and gloss.

PROCESSING

Additol XL 109, as supplied in 50 % solution, is added to the finished paint at ambient temperature. The product must not be subject to higher temperatures, they will inactivate it.

The level of Additol XL 109 (on solid resin oil or alkyd) may range between 0.1 - 2 % depending on the type of defect.

Higher quantities retard surface drying. But higher levels of siccatives should not be used, since the uniform drying effect is then set off. Additol XL 109 gives excellent results in combination with Additol XL 297 at a level of 0.1 - 1 % Additol XL 109, and 1 - 2 % of Additol XL 297 on oil or alkyd resin.

SPECIAL INDICATIONS

"Form of delivery 50 %" refers to the active agent content. The content of non-volatile matter can not be determined by usual methods.

STORAGE

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

DISTINGUISHING FEATURES

In difference to Additol XL 297 the active agent of Additol XL 109/50LG is not volatile. Too high quantities of Additol XL 109/50LG have a great influence on oxidative drying.