

This product was previously marketed as ADDITOL® XL 490. All specifications, formulations, and performance characteristics remain unchanged.

TYPE

Levelling and anticrater agent for enhancing the surface quality of paint film, without silicone addition

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] 50 - 110
50 % BAC
(25 1/s; 23 °C)

Iodine Colour Number DIN 6162

iodine colour number <= 1
50 % BAC

Acid Value DIN EN ISO 2114

acid value [mg KOH/g] < 5
(non volatile matter)

Non-Volatile Matter DIN 55671

non-volatile matter [%] 97 - 100
(150 °C; 10 min)

Not continually determined:

Colour / Appearance VLN 250

colour yellow
appearance clear

Density (Liquids) DIN EN ISO 2811-2

density [g/cm³] 0,98
approx.
(20 °C)

Flash Point (Pensky-Martens) DIN EN ISO 2719

flash point [°C] > 100

SPECIAL PROPERTIES

Paint additive to enhance surface quality of paint films, particularly as anticrater additive and levelling aid for powder coatings. ADDITOL® XL 490 FLOW additive is used in powder coatings on epoxy, polyester or polyurethane resins.

SUGGESTED USES

ADDITOL® XL 490 FLOW additive is used in powder coating systems on various binder systems, e.g. alkyds, melamine resins, acrylic resins, polyurethane systems, oil-free polyester resins and prevents surface defects, craters or poor levelling.

In solvent-diluted paints the ADDITOL® XL 490 FLOW additive prevents foaming during paint preparation and application and improves gloss and levelling.

DILUTABILITY

ADDITOL® XL 490 FLOW is dilutable with aliphatic and aromatic hydrocarbons, ketones and esters. ADDITOL® XL 490 FLOW has very limited or no dilutability with alcohols and deionized water.

PROCESSING

The levels of additon for powder coatings may range between 0.1 to 2 % ADDITOL® XL 490 FLOW on solid resin.

SPECIAL INDICATIONS

ADDITOL® XL 490 FLOW exerts its full effect immediately after addition to the paint. Prolonged storage does not impair this effect.

Negative influence on mechanical or applicational properties or adverse effects on intercoat adhesion by ADDITOL® XL 490 FLOW have not been experienced so far.

STORAGE

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

