

# AFCONA – PL114



## Chemical Composition

Organically modified polyether polysiloxane

## Product general description

Additive to improve levelling and prevents surface defects in UPE and epoxy systems. The slip of this product is minimal.

## Product Properties

AFCONA-PL114 is a special designed additive for UPE and Epoxy systems. It has very good compatibility with high polar systems and performs very well especially in UPE.

AFCONA-PL114 can be used in water and solvent-based coatings. AFCONA-PL114 particularly is recommended for UPE as well as Epoxy coating systems. It helps to prevent curtain-rupture in curtain coating applications.

In UPE and epoxy system, AFCONA-PL114 gives below properties.

- 1) improves leveling
- 2) offers better compatibility with less side effects like craters and contaminations compared to unmodified polydimethylsiloxanes which are widely used in UPE system.
- 3) prevents irregular surface shrinkage
- 4) resistant to hydrolysis

## Product specification

Active ingredients	50 – 54%
Solvents	Methoxy Propanol / Acetone
Density at 20 °C	0.99 - 1.01 g/cm <sup>3</sup>
Refractive index	1.420 - 1.430
Flashpoint	32 °C
Appearance	transparent to slight yellowish

## Addition and dosage

0.1 – 0.5% on total formulation. In general under normal conditions, the dosage is 0.1 – 0.3% based on total formulation.

## Incorporation

AFCONA-PL114 can be added at any stage during the production process. When added during the dispersion process, it speeds up wetting.

AFCONA-PL114 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 5 years from the date of manufacture. The expiry date is indicated on the container.

## Packaging

25 kg and 180 kg non-returnable containers