

# AFCONA – 7502



## Chemical Composition

Reactive co-polymer solution with pigment affinity groups.

## Product general description

AFCONA-7502 is reactive co-polymer coupling agent. It is used to improve the affinity property of pigments with resins, and to improve the mechanical properties.

## Product properties

AFCONA – 7502 is special designed structure polymeric coupling agent. Silicone-free. It can improve the affinity of resin systems with extenders and improve the mechanical properties of infill systems, such as bending strength, elasticity modulus. It is recommended to be applied in both acidity-alkalinity or alkalinity, such as acrylic systems which contains fillers of AL(OH)<sub>3</sub>(ATH) or Fumed silica.

AFCONA – 7502 also has the advantage to prevent settlement of systems.

## Product Specification

Non-volatile matter	32 - 34% (150°C,0.5h)
Density	1.03-1.05 g/cm <sup>3</sup> (20°C)
The refractive index	1.431 - 1.441 (25°C)
Acid Value	78 - 88 mgKOH/g
Flashpoint	44°C
Gardner Color	Max.5
Appearance	Transparent, yellowish to deep-yellow liquid(25°C)

## Addition and dosage

Calculation method for the required amount of active ingredient on pigment or extender:  
For extenders: 0.1% – 1.0%, and 0.1-0.5% based on total formulation.

## Incorporation

AFCONA-7502 should be incorporated in the mill base prior to the process. If mixed at the end stage, high shear force is required to achieve good dispersion.

## Storage

AFCONA-7502 should be stored in a cool and dry place. When kept in an original unopened container, it will keep up for 5 years from the date of manufacture. The expiry date is indicated on the container.

## Packaging

30kg and 200kg non-returnable steel containers