

# AFCONA – 2790



## Chemical Composition

Modified Polysiloxane with defoaming particles.

## Product general description

AFCONA-2790 is a polysiloxane defomer which used for solvent based silk printing ink systems such as epoxy, PU, UV curing and unsaturated polyester.

## Product properties

AFCONA-2790 is a polysiloxane defoamer for solvent based systems, It has strong performance of anti-foam and deaeration. And It can quickly remove the tiny bubbles in the systems, as well as quickly breaking the foams on the interface. It is suitable for high viscosity solvent based and solvent-free coating and ink systems to anti-foam and remove air bubbles. Benefit of its specially designed structure, AFCONA - 2790 also has leveling behavior.

AFCONA - 2790 is solvent free, and recommended for solvent-free construction technique.

AFCONA - 2790 is recommended to below applications:

- 1) Solvent free and solvent based 2 pack epoxy system;
  - 2) Solvent free and thick film PU system;
  - 3) Solvent based or solvent free silk screen printing ink systems;
  - 4) Suit for colorants which contains pigments.
- It is suggested to carefully evaluate the compatibility of AFCONA 2790 with resins before applying in clear coatings.

## Product Specification

|                     |                                |
|---------------------|--------------------------------|
| Non-volatile matter | ≥96%                           |
| Density at 20°C     | 0.96 – 1.00 g /cm <sup>3</sup> |
| Flash point         | >100°C                         |
| Appearance          | Cloudy, viscous liquid         |

## Addition and dosage

0.3- 1.0% based on total formulation.

In general under normal conditions:

0.5-1.0% based on total solvent-free formulation;

0.3-0.8% based on total solvent based formulation.

## Incorporation

AFCONA – 2790 can be incorporated with shear force in any stage, and good dispersion must be ensured.

## Storage

AFCONA-2790 should be stored in a cool and dry place. When kept in an original unopened container, it will keep up for 3 years from the date of manufacture. The expiry date is indicated on the container.

## Packaging

25kg and 180kg non-returnable containers