



DELTA-SC® 2772

DELTA-SC® 2772 is a silicone-free additive suitable for aqueous and non-aqueous systems. It is designed to reduce the surface tension of various resin systems at substrate interface, which will improve substrate wetting and leveling; and prevent formation of craters without stabilizing foam. DELTA-SC® 2772 is suitable for coatings and printing inks.

Specifications:

Composition	:	Solution of an acrylate copolymer
Solvent(s)	:	Sec. butanol
Specific gravity @ 20°C	:	ca. 0.95 g/cm ³
Flashpoint	:	24 °C
Appearance	:	Transparent to slightly yellowish liquid
Active ingredients	:	60%

Methods of analysis can be received upon request

Applications and usage:

► Coatings

DELTA-SC® 2772 has a very wide compatibility, which makes it extremely suitable for use in clear coatings. It improves levelling, prevents cratering and helps substrate wetting without damaging the inter-coat adhesion in multi-layer applications.

DELTA-SC® 2772 is chemically very similar to DELTA-SC® 2777 but with less fluor content in the acrylic polymer (lower surface tension reduction).

It is recommended in the following application systems:

- Stoving enamels based on alkyd, acrylic and polyester resins
- Polyurethane coatings
- Two-pack epoxy compounds
- Air-dried alkyd systems

If used in aqueous coatings, DELTA-SC® 2772 must be neutralized with a suitable amine. Complete water solubility will be achieved by addition of 5% of triethylamine or 12% Ammonia solution (25% concentration).

DELTA-SC® 2772 should be added at the end of the batch preparation.

0.4-2.0% on total formulation weight

► Printing inks

DELTA-SC® 2772 is recommended for free-radically and cationically mediated UV-curable printing inks and over-print varnishes.

It is also suitable for conventional alkyd-based printing inks and over-print varnishes, and for solvent-based printing inks.

DELTA-SC® 2772 will be effective in flexographic, screen and offset application to difficult substrates. As it does not interfere with inter-coat adhesion, trapping or over-printing is not impaired and the product is suitable for process printing.

In over-print varnishes, DELTA-SC® 2772 may be added at any stage of manufacture.

In printing inks, addition of DELTA-SC® 2772 should take place after the dispersion step. In all cases care should be taken to ensure uniform distribution of the additive.

0.4-2.0% on total formulation weight

Safety and Handling:

DELTA-SC® 2772 should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.

Storage:

DELTA-SC® 2772 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 production date is indicated on the container.

Packaging:

50 kg and 190 kg non-returnable metallic containers.