

## Technical Data Sheet

Last revised: 01-2019

### DELTA-SC® 2777

**DELTA-SC® 2777** is a silicone-free additive having high molecular weight and very broad compatibility. It is designed to reduce the surface tension of various resin systems at substrate interface, which will improve substrate wetting and levelling and prevent formation of craters without stabilizing foam. The additive provides 'long wave' levelling performance and increases gloss of the coating system and does not cause any inter-coat adhesion problems. It is highly effective in the transportation coatings when combined with the silicone-based additive **DELTA-SC® 2031**. **DELTA-SC® 2777** is suitable for **coatings** and **printing inks**.

#### **Specifications:**

Composition	: Solution of an acrylate copolymer
Solvent(s)	: Xylene
Specific gravity @ 20°C	: ca. 0.98 g/cm <sup>3</sup>
Flashpoint	: 25 °C
Appearance	: Clear to slightly hazy liquid
Active ingredients	: 70%

Methods of analysis can be received upon request

#### **Applications and usage:**

##### **Coatings**

**DELTA-SC® 2777** 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.

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

**DELTA-SC® 2777** should be added at the end of the batch preparation.

**0.4-2.0%** on total formulation weight

##### **Printing Inks**

**DELTA-SC® 2777** 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 solventbased printing inks.

**DELTA-SC® 2777** 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® 2777** may be added at any stage of manufacture.



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In printing inks, addition of **DELTA-SC<sup>®</sup> 2777** should take place after the dispersion step. In all cases care should be taken to ensure uniform distribution of the additive.

**0.5-2.0%** on total formulation weight

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### **Safety and Handling:**

**DELTA-SC<sup>®</sup> 2777** should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.

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### **Storage:**

**DELTA-SC<sup>®</sup> 2777** 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.

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### **Packaging:**

50 kg and 200 kg non-returnable metallic containers.

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