

## KAM-SCA 302

Silicone-based surface control additive to improve surface properties in all solvent-based, solvent-free and aqueous systems. It is specially used in systems in which solvent-free additives are requested or where a requirement for a special solvent exists. It can be used in coatings and printing inks.

### Technical Specifications

Composition	:	Organically-modified polydimethylsiloxane
Specific gravity @ 20°C	:	ca. 1.04 g/cm <sup>3</sup>
Flashpoint	:	>100 °C
Appearance	:	Clear and colorless liquid
Active matter	:	>98%

### Applications

**KAM-SCA 302** is used in water- and solvent-based industrial coatings, particularly in spray applications. It gives the following advantages:

- Increases scratch and abrasion resistance
- Prevents floating
- Anti-blocking characteristics

**KAM-SCA 302** is active at the substrate and air interfaces of inks and overprint varnishes. This results in:

- Improved substrate wetting and leveling
- Improved block resistance
- Increased scuff resistance

**KAM-SCA 302** has very broad compatibility with a broad range of printing ink systems. An applied film containing **KAM-SCA 302** is relatively insensitive to pin-holing even at high concentrations of the additive. It is compatible with a broad range of formulation polarities. It may be used in water-based, solvent based and UV-curable printing inks and over-print varnishes.

**KAM-SCA 302** is especially effective in nitrocellulose-based systems for flexographic and gravure printing. **KAM-SCA 302** is also effective in UV flexographic printing.

**KAM-SCA 302** can be added at any stage during the production process. When added during the dispersion process, it speeds up wetting.

Recommended addition level (as supplied): 0.05% to 0.5% based upon on total formulation.

### Storage, Safety and Packaging

To be stored in a cool dry place and handled in accordance with good industrial practice. When kept in an original unopened container, it will keep up to min. 4 years from the date of manufacture.