

Product Data Sheet

K-SILCO 3006



K-SILCO 3006 is a modified silicone surface additive to provide good substrate wetting of critical substrates and excellent anti-cratering by reduction of surface tension of the coating systems, improves higher surface slip, scratch & rub resistance and anti-blocking properties. K-SILCO 3006 improves dust and spray dust acceptance and allows higher film thickness on vertical surfaces. It reduces air draft sensitivity particularly in wood coatings. K-SILCO 3006 prevents formation of Bénard cells and improves flattening agent orientation. It is suitable for solvent based coatings and printing inks..

SPECIFICATIONS

Composition	: Solution of surface additive containing silicone
Solvent(s)	: C8 ketone and alcohol
Specific gravity @ 20°C	: Ca. 0.89 g/cm³
Flashpoint	: 90 °C
Appearance	: Colorless, clear to slightly hazy liquid

APPLICATIONS AND USAGE

Coatings:

K-SILCO 3006 is highly compatible with various resin systems (solvent-based), which makes it suitable for use in clear coatings such as two-pack PU and acid curing systems. Due to its low surface tension, K-SILCO 3006 reduces air draft sensitivity in wood and furniture coatings and prevents formation of Bénard cells and cratering in various resin systems. K-SILCO 3006 also improves surface slip, scratch resistance

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and anti-blocking properties. It can be added at any stage of manufacture as long as sufficient shear forces are applied to ensure uniform distribution of the additive. 0.1-1.0% on total formulation weight

Printing inks

K-SILCO 3006 increases surface slip, reduces the abrasion and gives anti-blocking properties. At the same time, gloss and wetting of critical substrates are improved. It is especially effective in nitrocellulose-based flexographic inks. In NC based system it can controls blushing ,K-SILCO 3006 can be added at any stage of the manufacturing process. In all cases care should be taken to ensure uniform distribution. 0.1-1.0% on total formulation .

It should be added during the initial mix and prior to processing to avoid foam and blister formation.

If it is added to the finished compound, care should be taken to ensure uniform distribution.

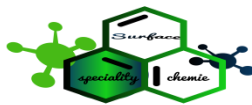
0.3-1.0% on total formulation weight

STORAGE, SAFETY & HANDLING

K-SILCO 3006 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. K-SILCO 3006 should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.

Packaging:

30 kg plastic Jar



The technical information and specifications contained in this data sheet are based on careful investigations and given to the best of our knowledge. Nevertheless circumstances under which the product is used in practice are subject to many variations.

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