

# Efka<sup>®</sup> SL 3886

(old : Efka<sup>®</sup> 3886)



The Chemical Company

## general

slip & leveling agent

Efka<sup>®</sup> SL 3886 is designed to crosslink with hydroxyl or carboxyl groups. It is compatible with most polyisocyanates, e.g., Basonat<sup>®</sup> grades. The addition of Efka<sup>®</sup> SL 3886 into polyurethane lacquers or coatings offers:

- improved leveling
- reduced tendency for orange peel effect or cratering
- improved slip and surface smoothness, these improvements are more permanent as the additives crosslink and are part of the final film
- reduced surface tension with little or no foam formation
- prevention of Bénard cells (anti-floating effect)

## chemical nature

polysiloxane-modified polyisocyanate

## Properties

### physical form

clear, colorless liquid

### shelf life

Efka<sup>®</sup> SL 3886 should be stored in a cool dry place. When kept in original unopened containers, it will keep up to 2 years from the date of manufacture.

### typical properties (no supply specification)

active ingredients	~ 51 %
solvent	butyl acetate/ methoxypropyl acetate
density at 20 °C (68 °F)	~ 1.01 g/cm <sup>3</sup>
flash point	24 °C (75 °F)
NCO value	~ 12 % on polymer

## Application

Efka<sup>®</sup> SL 3886 is a crosslinking additive designed for all polyurethane systems, both two-pack and moisture-curable. It is to be added to the polyisocyanate solution in two-pack systems.

Especially developed for use in wood finishes, Efka<sup>®</sup> SL 3886 helps to improve mar resistance, orientation of the matting agent and the prevention of flooding in pigmented systems. When applying the polyurethane system by curtain coating on open-pore wood surfaces, a defoamer such as Efka<sup>®</sup> SI 2022 should be added.

Since Efka<sup>®</sup> SL 3886 actually takes part in the crosslinking action, thus forming an integral part of the finished polymer, the slip and scratch resistance properties are more permanent compared with normal additives.

**recommended concentrations**

2.0–3.0 % on polyol component

Efka<sup>®</sup> SL 3886 should be added to the hardener component. The NCO value of approx. 12 % (based on solids) should be taken into account in the isocyanate calculation.

**Safety**

When handling these products, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

**Note**

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