

## TECHNICAL LITERATURE

### SILTEX 30250/SKIAN

Siltex 30250/SKIAN is a sequestering and dispersing agent for pretreatment and dyeing; no demetallising effect on dyestuffs.

**CHEMICAL NATURE** : Organic phosphorous compound.

**CHARACTERISTICS**

**APPEARANCE** : Clear, slightly yellowish liquid

**IONIC NATURE** : Anionic

**Solubility / Emulsifiability** : Dilutable with cold or warm water in all proportions.

**pH value of 10% solution** : Neutral

**Resistance** : Applicable within a pH range of 1 to 14;  
Resistant to organic acids and to oxidizing and redusing  
Bleaching agents in usual concentrations.

**STORAGE** : at least 12 months if properly stored

**STABILITY** : reversible change of state in case of frost  
(in case of persistent frost, the product solidifies but is  
applicable after thawing and stirring).

**APPLICATIONS** :

- Multi-purpose use as a sequestering and dispersing agent.
- High iron binding power.
- Prevents precipitations of calcium and magnesium salts in alkaline scouring and bleaching processes, in particular when silicate is used.
- Very good soil suspending power.
- Applicable in dyebaths as a dispersing and sequestering agent.
- Foam-free, applicable in jet machines and short liquor ratios
- Corrosion inhibiting.

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#### APPLICATIONS FIELDS

Siltex 30250/SKIAN is used in pretreatment processes and dyeing.

Used for washing out of lubricants, alkaline scouring processes and hydrogen peroxide bleachings, Siltex 30250/SKIAN prevents precipitations of calcium and magnesium salts and shows a high soil suspending power.

Siltex 30250/SKIAN is fully effective in the strong alkaline range as well and can be used in mercerizing lyes and highly concentrated feeding liquors of continuous pretreatment systems.

In dyeings and subsequent washing operations, Siltex 30250/SKIAN prevents the formation of dyestuff agglomerates and supports the cleaning effect. Siltex 30250/SKIAN has no negative influence on the light fastness of a dyeing.

#### GUIDING RECIPE

The calcium binding capacity of Siltex 30250/SKIAN is about 190 mg  $\text{CaCO}_3$  /g product, and the iron binding capacity is 390 mg  $\text{Fe}^{3+}$  /g product (both values at pH 11).

For water correction about

0.07 g/l Siltex 30250/SKIAN  
per 10 dH (German Hardness) are necessary.

In washing out of lubricants

0.5 – 1.5 g/l Siltex 30250/SKIAN  
should be added depending on the liquor ratio.

In bleaching baths and alkaline scouring processes, the suggested amounts are

1.5 – 3g/l Siltex 30250/SKIAN

**NOTE:** The information contained in this data sheet is the results of careful tests carried out objectively. Their purpose is to help our customers but do not imply any engagement on our part.