

## TECHNICAL LITERATURE

### SILTEX 30646/Hydrosil ESP

Siltex 30646/Hydrosil ESP is a hydrophilic softener imparting excellent softness and elastic resilience to textile made from cellulose, wool and synthetic fibers.

<b>CHEMICAL NATURE</b>	: microemulsion of amino-functional silicones.
<b>APPEARANCE</b>	: clear to hazy liquid
<b>CONSISTENCY</b>	: Liquid
<b>IONIC NATURE</b>	: Non-ionic
<b>pH (5% solution)</b>	: 4–5
<b>SOLUBILITY</b>	: Miscible in water

#### PROPERTIES

Siltex 30646/Hydrosil ESP is suitable for softening all kind of textiles. An excellent softness and volume is obtained since the product is a microemulsion that can penetrate deep into the fibre. The following are some special features of product.

- Very good hydrophilic properties
- Very soft, smooth and natural touch
- Excellent elastic resilience
- High yellowing resistance, suitable for white and colored goods
- Resistant to shearing, applicable on machines with high liquor turbulences
- High surface smoothness, improves elasticity and stitchability properties of knitwear
- No influence on the light fastness and the shade
- Improves wash- and wear effect.
- Easy to handle, pumpable because on its liquid consistency

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#### **APPLICATION:**

Siltex 30646/Hydrosil ESP has a high stability to mechanical stress and can be used in all machines with high liquor turbulence such as jet dyeing machines.

Siltex 30646/Hydrosil ESP can be added directly to the treatment bath without preliminary diluting. Depending on the desired effects, the following quantities are suggested.

#### **PADDING**

Siltex 30646/Hydrosil ESP: 10 - 30 g/l  
pH: 4 - 5 (with acetic acid)

#### **EXHAUST**

Siltex 30646/Hydrosil ESP: 1 - 2 % OWF  
pH: 4 - 5 (with acetic acid)  
Temperature: 40 - 50°C  
Time: 30 minutes

#### **Softening of ready-to-wear Clothing**

Siltex 30646/Hydrosil ESP 1 - 2 %  
Liquor ratio: 1 : 10  
Temperature: 40 - 50°C  
Time: 20 minutes

Hydro extracting and drying in tumbler

#### **STORAGE AND SHELF LIFE:**

When stored at ambient conditions Siltex 30646/Hydrosil ESP has a shelf life of about 12 months from the date of manufacture.

**NOTE:** The information in this publication is believed to be accurate and is given in good faith; its purpose is to help our customers but do not imply any engagement on our part