

## TECHNICAL LITERATURE

### SILTEX 30200/RESIN

Siltex 30200/Resin is a modified glyoxal based DMDHEU which provide very low formaldehyde release while retaining good physical properties on fabric.

#### **CHARACTERISTIC: -**

<b>CHEMICAL NATURE</b>	: Modified DMDHEU
<b>APPEARANCE</b>	: Clear liquid
<b>pH</b>	: 7-8
<b>Sp. Gravity</b>	: 1.05 – 1.20.
<b>SOLUBILITY</b>	: Soluble in cold water at all proportions.
<b>REACTIVITY</b>	: Very good.

#### **GENERAL PROPERTIES :**

- Easy care finishing of woven and knitted fabrics composed of cellulosic fibres, viscose, alone and in blends with synthetics.
- Applied by normal pad - dry crosslinking methods on fabric, and used for Wrinkle Free finishing of garments.
- Very good stability to hydrolysis.
- Soft handle.
- The finishing effects have good fastness to washing and dry cleaning.
- Compatible with most additives used in textiles finishing.
- Minimizes strength losses.
- Low formaldehyde.

#### **APPLICATIONS:**

Siltex 30200/Resin can be used by padding method with the following recipe.

Siltex 30200/Resin	80 – 150 g/l
Mg Cl <sub>2</sub>	20 – 37.5 g/l
Siltex 30098/Asisoft CS	25 g/l
Siltex 33101	10 g/l
Siltex 44004	3 g/l
Siltex 30106/Asilon OL	0.5 g/l

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#### Preparation Of Pad Bath:

- Add diluted wetting agent to about 50 gallons water
- Add Siltex 30200/Resin with through stirring
- Dilute the softener with water and add to bath with stirring.
- Diluter catalyst with warm water and add to bath.
- Bulk to 100 gallons.

#### PROCESSING CONDITION:

pH of Bath	4.5 – 5 ( use acetic acid to adjust the pH )
Pick up	80 - 100 %
Temperature	Ambient

Dry the fabric at 100 – 120C then cures at 150 C for 5 min or 180 C for 1min.

#### Basic Requirements for successful Resin Finishing:

- Fabric must be suitable for end use.
- Un finished fabric tensile > 30 % of the finished tensile.
- Bleached and dyed fabric must be clean and absorbent.
- Fabric alkalinity < 0.05 % as NaOH.
- Fabric pH should be 6.5 – 7.5.
- Use Resin/cat stable components.
- Use minimum tension in finishing.
- Use accurate finish mixing procedures.
- Control of all major variables in the process.

#### STORAGE:

Store the product Siltex 30200/Resin below 30°C.

**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.