



*Resin Finish/easy  
Care Finish*



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## Easy Care Finish



It is an acknowledged fact that cotton garments ensure maximum comfort thanks to their suppleness and their capacity to absorb humidity. The weak point of cotton clothing is its tendency to crease easily, which makes care of such garments more difficult,

The tendency to crease is due to the partially amorphous structure of the cellulose, which means that structural alterations can quite easily occur.

Many weak molecular bonds such as hydrogen or Van Der Waals forces, which link together long cellulose polymer chains, can alter.

### ❖ *Siltex 30200/Resin*

In order to limit creasing, Siltex 30200/Resin can be used which creates stronger (covalent) and more permanent bonds and reduce creasing to a large extent.

This product can be used in conjunction with some other resins, polyethylene emulsions and silicone softeners.

Assessment of crease resistance can be estimated in several ways: by measurement of the crease recovery angles and appearance of fabric after repeated home laundering

Fabric specimens are subjected to standard home laundering practices. Evaluation is performed using a standard lighting and viewing area by rating the appearance of specimens in comparison with appropriate reference standards (Rating 5 being the smoothest and 1 being the most wrinkled in appearance)

### Advantages

- *Simplified Easy-care or Non-Iron garment care*
- *LOW Formaldehyde*
- *Range of Handles are Possible*
- *Compatibility with water and oil repellent treatment*
- *Very good stability to hydrolysis*

**TRIAL NO. T0841/04**

**Fabric** :100 % cotton

**RECIPE:**

Siltex 30200/Resin	=	120 - 180 g/l
Siltex ME 30	=	30 g/l
Siltex 30098cs/Asisoft CS	=	20 g/l
Siltex PE 20	=	10 g/l
MgCl <sub>2</sub>	=	30 - 45 g/l

**PARAMETERS:**

Type Of Water Used	=	Tap Water
pH Of Bath	=	4 - 5( used Acetic Acid to adjust the pH )
Pick Up	=	80 % by weight
Temperature	=	Ambient ( 27 – 28 °C )

**PROCESS:**

PAD,DRY & CURE THE FABRIC AT 160 °C FOR 4 MINUTES.

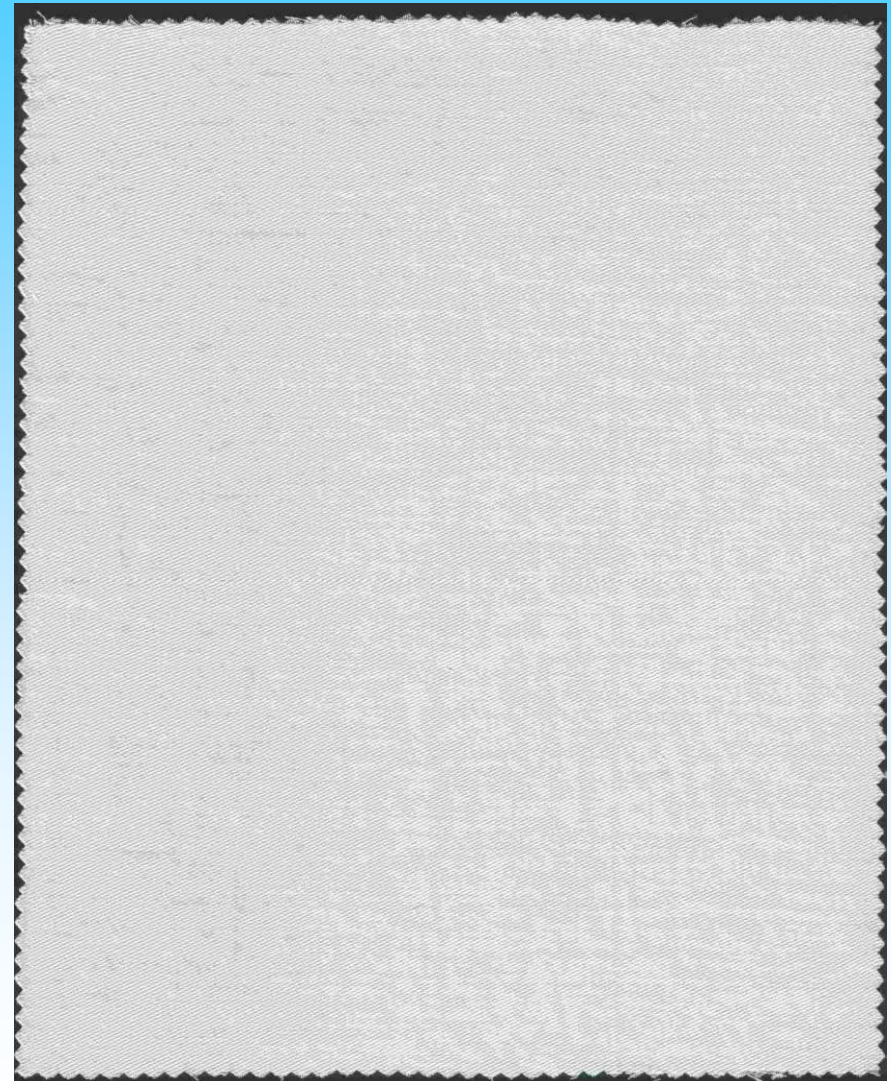
**TEST RESULTS:**

**Crease Recovery Angle (BS 3086):**

Warp Direction	=	160°
Weft Direction	=	153°

**Smoothness Appearance Rating (AATCC 124):**

After 1 wash	=	3.5
After 5 washes	=	3.0



**Resin Finished fabric**