

TECHNICAL TUESDAY

REF:TT/ Dec 2013/ WK 4

Effect of core alkali in fabric

What is core alkali?

The textile goods are processed under alkaline condition in scouring, bleaching, mercerizing, dyeing process, so after processing the alkali what we used for processing will settle inside the core of the fiber on the textile goods and make the textile pH to alkali, it should be neutralized properly before going to the further process otherwise it may cause the following problems.

Problems due to core alkali in fabric:

1. It may cause shade change on Dyed Goods.
2. It may cause Phenolic yellowing on White goods.
3. It will affect the performance of finishing in functional finishes like Water/oil repellent finishes, resin finishes etc.
4. Some of the Finishing agent will not be stable on alkaline pH, so if we use the fabric contain core alkali for finishing it affects the finishing bath stability, it may cause stain on the fabric during finishing.
5. In alkali pH textile goods are more prone to bacteria & fungus growth.
6. If we use the fabric contain core alkali for cationic softener finishing, the cationic softener has affinity towards the textile substrate only in acidic pH, so we will not get good performance.
7. If the fabric contains core alkali the fabric will give harsh feel while touching the fabric.
8. The fabric strength may get affected while we store the fabric in alkali pH.

Remedies:

To avoid the above problems we should neutralize the core alkali using alkali neutralizers before going to the further process.

“HAVE A HAPPY WEEK AHEAD”

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