Restoration Training Services Presents

Professional FABRIC CLEANING









By Cleaning Industry Author Mark Exner An IICRC Approved Publication

TEXTBOOK # RTS1003UFT

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MODULE 3 FABRIC CHARACTERISTICS:

NATURAL YARNS

CELLULOSIC – Fabric Yarns from Plant Based Fibers









Real cotton plant

Hattian cotton (raw) fabric

Front and back of Hattian cotton

Faux cotton (acrylic)







Formal Dining Chair

r Designer cotton fabric

Denim top & back

Cotton rug backing

Cottons background:

Cotton comes from the seed of the cotton plant. It is found primarily in fabrics and area rugs. Cotton is used extensively in the foundation yarns of many area rugs. This opens a problem for cleaners being subject to shrinking the area rug if cleaned improperly.

COTTON CLEANING CONCERNS: ADVANTAGES

1. Cotton is 50% stronger when wet.

2. Cotton is relatively tolerant to strong alkaline cleaning solutions. A maximum alkaline of a 9.5 pH is recommended. Each cotton fabric and its dyes may be tolerant to a different pH, so test well with patience. However, alkaline solutions should be neutralized with an acidic fiber rinse product and rinsed well.

COTTON CLEANING CONCERNS: DISADVANTAGES

1. Cotton is very absorbent, (16-17 %) second only to wool.

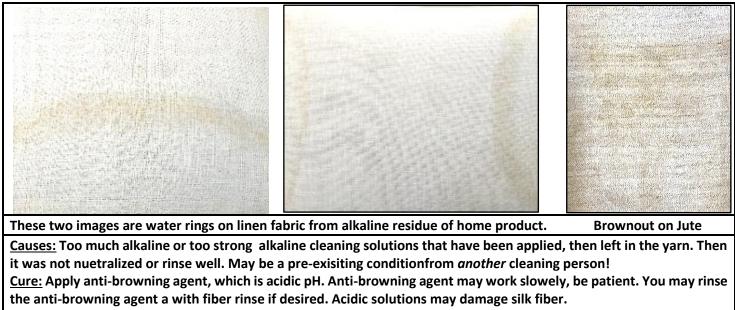
2. Expect extended dry times. Extract excess moisture as possible when cleaning.

3. Damaged by strong acidic pH. A stronger pH than 2 may etch the yarn, causing a permanent black spot. In fact, all the natural yarns are subject to damage with too strong an acid pH.

4. A small portion of cotton fibers may shed during agitation. Agitation should be performed with care as in any natural yarn. It is cotton linters that shed easily in viscose area rugs.



Customer Cleaning Causes Brownout Condition:



Prevention: Rinse fabric out with acidic solutions all fiber rinses. (ph 3 - 6)

2. INSPECTIONS

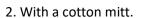


If fabric is very soiled, you may need to agitate east & west, and north & south.



Agitation: 1. With a horsehair (soft) brush.







3. With a mitt w/ strip. 4. A towel.

5. Extract (rinse / flush) fabric with acidic / fiber rinse OR fabric detergent.

NEVER rinse fabric with water only. You may form rings in the fabric when it dries.

