

Technical Tuesday

REF:TT/ Feb 2013/ WK 3

Soil Release Finish

What Is Soil release finish?

- ❖ The finish that allow stains to leave the fabric faster & makes fabric cleanable without significant loss of soil release properties.
- ❖ Soil release is the term used to describe the cleanability of the fabric by the laundering process.

What is soiling?

Soiling can be defined as smearing large surface of the fabric with dust or dirt or oil or grease or both.

What is release finish?

- ❖ Release finish allows stains to be removed more easily during laundering compare to most common untreated fabrics.

Mechanism of soiling:

- ❖ A fabric gets soiled mainly by three types of mechanism.

1. By mechanical adhesion:

- ❖ The soil is adhere to the cloth by direct contact with a soiled surface or by rubbing of the garments against the skin or picking up dirt from liquors or from air.
- ❖ The fabric construction facilitates such adhesion as the soil gets entrapped in inter fiber and inter yarn spaces or even into the capillary spaces of the fiber where it gets firmly deposited. Also soil which is oily in nature can diffuse into the fiber.

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2. By adhesion by electrical forces

- ❖ The soil is adhere to the fabric due to attraction of dust particles from air by electrically charged fiber surface.
- ❖ This phenomenon occurs mainly with synthetic fibers because of their low moisture regain. Positively charged fabric surface is soiled more than negatively charged surface.

3. By Redeposition of soil during washing:

- ❖ Which occurs particularly with nylon and polyester fabrics,the redeposition on these fibers takes place because of their oleophilic nature.
- ❖ Another aspect of soiling is the effect of time lag between soiling and washing. When a soiled fabric is allowed to lie unwashed for many days, the soil diffuses inside the fiber and it becomes difficult to remove it.

“Have a Happy Week a Head”

To be continued.....

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