

Ultalux™ – the ultimate enhancer of fabric color fastness

ULTALUX™

Unique polymeric compound delivers significant improvement in crock performance

It's an age-old challenge for garment and apparel fabric makers everywhere: how to preserve color fidelity during the finishing stage. There are a number of ways to achieve true color but few exist which are efficient in water and energy usage, eliminate the need for curing, involve non-hazardous chemicals and exceed industry standards in performance. That is until Ultalux, a new finishing treatment for denim, and other fabric, boasting multiple benefits in one cost-effective product. This breakthrough technology provides manufacturers an exceptional tool for achieving high crock rating while reducing rework.

Under testing, Ultalux shows that it can provide a significant improvement in fabric crock rating of 0.5 or greater, and has also shown to exceed retailer requirements. Additionally, it does not affect the color of the fabric. Together these properties enable designers to choose from a wider palette of colors and feel confident that the dye will remain in the material, providing truer colors to consumers. Capable of improving both wet and dry crock-fastness of denim fabrics, Ultalux also has a demonstrated affinity to other cotton and synthetic fabrics, without affecting the hand.

The benefits of using Ultalux also extend into manufacturing. It minimizes the processing traditionally required to improve crock performance, allowing for a reduction in water and energy usage. Additionally, it eliminates the need for curing, reducing the overall production time. Ultalux is a non-hazardous, non-ionic polymer that provides a favorable worker safety profile. It is compatible with typical softeners and other products commonly used in the finishing process, allowing for implementation ease.



Key Benefits

- Significantly improves fabric crock rating by a value of 0.5 or more
- Reduces rework
- Keeps dye in fabric for true color
- Enables use of a greater selection of colors
- Has affinity to cotton and synthetic fabrics
- Reduces water and energy usage
- Eliminates need for curing
- No impact to fabric color or hand

Suitable for use in multiple finishing process applications

Application and Usage Levels			
Process	Padding	Exhaustion	Spray-On
Ultalux required amount	10 - 15 g/L	1% - 6% weight of goods	5 - 10 g/L
Process requirements	Bath temperature should be >20°C	Between 15 - 30 min at 30 - 40°C	Cycle under constant spray for 15 - 30 min at >20°C. Garments should be dry before applying Ultalux.
Liquor pick up and liquor ratio	60% - 100%*	5:1 - 20:1 LR	80% - 100%*
Drying temperature	>80°C	>80°C	>80°C

* Depends on fabric type

Overview

Description	Non-ionic polymeric compound
Physical form	Clear, yellowish viscous liquid
pH	5.5 - 7.5

Compatibility

Ultalux is compatible with typical softeners and other products commonly used in finishing processes.

Storage stability

Ultalux has a 1 year shelf life from the date of manufacture when properly stored in a closed container at room temperature. Exposing the product to extreme temperatures (above 30°C or below 0°C), or repeatedly pulling product from the original container, may reduce the shelf life.

Availability

Ultalux is globally available in 55-gallon drums and 5-gallon pails.

Contact Sekisui for more information:

To learn more about Ultalux or to request product samples, please visit www.sekisui-sc.com.

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