



LOCANIT® SLT

LOW TEMPERATURE AFTERSOAPING
PROCESS FOR COTTON

LOCANIT® SLT

HIGHLY EFFECTIVE AUXILIARY FOR LOW TEMPERATURE AFTERSOAPING PROCESS

Textile dyehouses are constantly looking for ways to make their processes more efficient and sustainable. A key challenge is reducing the aftersoaping temperature from the traditional 95°C and minimizing the number of washing baths. This not only lowers overall process costs but also significantly reduces the environmental footprint.

The Solution: LOCANIT® SLT

LOCANIT® SLT is a highly effective aftersoaping agent, which enables a groundbreaking new process that allows reactive dyeing to be cleared at much lower temperatures of just 40-60°C. This results in up to 60% lower energy consumption, significantly reducing CO₂ emissions.

MORE SUSTAINABILITY, LESS RESOURCE CONSUMPTION



Up to 60% lower energy consumption thanks to reduced washing temperatures



Up to 40% less water usage due to fewer washing baths



Reduced CO₂ footprint meeting increasing environmental demands

KEY BENEFITS

PERFORMANCE:

- Improves the wet fastnesses
- Increases the brilliancy of shades
- Disperses hardness builders

PROCESS:

- Low temperature aftersoaping at 40 – 60°C
- Saving of water, energy and process time
- Reducing the number of aftersoaping baths
- Special acid wash/pH-adjustment in the last rinsing bath is required to achieve best results

COMPARING CLASSICAL AND LOCANIT® SLT LOW TEMPERATURE AFTERSOAPING PROCESSES: COTTON KNIT GOODS, JET-DYEING

Shade	Standard Process with Polyacrylate					New process with LOCANIT® SLT				
	1	2	3	4	5	1	2	3	4	
Medium shade	Water	Polyacrylate 1.5 %	Polyacrylate 1.5 %	Water	Water	Water	LOCANIT® SLT 1.5 %	SECURON® MC 1.0 g/l pH 4.5		
	60 °C 10 min	90 °C 10 min	90 °C 10 min	50 °C 10 min	40 °C 10 min	50 °C 10 min	40 °C 10 min	40 °C 10 min		
Light shade	Water	Polyacrylate 1.5 %	Water	Water		Water	LOCANIT® SLT 0.5 %	SECURON® MC 1.0 g/l pH 4.5		
	60 °C 10 min	90 °C 10 min	50 °C 10 min	40 °C 10 min		50 °C 10 min	40 °C 10 min	40 °C 10 min		
Dark shade	Standard Process with Polyacrylate					New process with LOCANIT® SLT				
	1	2	3	4	5	1	2	3	4	
	Water	Polyacrylate 1.5 %	Polyacrylate 1.5 %	Water	Water	Water	LOCANIT® SLT 1.5 %	LOCANIT® SLT 1.5 %	SECURON® MC 1.0 g/l pH 4.5	
	60 °C 10 min	90 °C 10 min	90 °C 10 min	50 °C 10 min	40 °C 10 min	50 °C 10 min	40 °C 10 min	40 °C 10 min	40 °C 10 min	
Deep Dark shade	Water	Polyacrylate 2.0 %	Polyacrylate 2.0 %	Water	Water	Water	LOCANIT® SLT 2.0 %	LOCANIT® SLT 2.0 %	SECURON® MC 1.0 g/l pH 4.5	
	60 °C 10 min	90 °C 10 min	90 °C 10 min	50 °C 10 min	40 °C 10 min	50 °C 10 min	40 °C 10 min	60 °C 10 min	40 °C 10 min	



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