



ECOFAST™ Pure Sustainable Textile Treatment



Achieve unique, brighter colors on cotton while reducing water, energy, dye and chemical use.

Achieve Unique, Brighter Colors

ECOFAST™ Pure Sustainable Textile Treatment enables stronger dye performance for brighter, bolder and longer lasting colors. Dow's patented technology also allows for the uptake of acid dye on cotton, which delivers a wide range of unique colors that were unavailable until now.

Address Sustainability Challenges

ECOFAST™ Pure offers breakthrough advantages to help meet the demand for more responsible water and chemical management. Dow's technology meets the ZDHC Roadmap to Zero Programme standards and can decrease chemical use by up to 90 percent in the cotton dyeing process. Fewer required rinses after dyeing can also deliver up to 50 percent less water usage when pretreating with ECOFAST™ Pure.

Improve Operational Efficiency

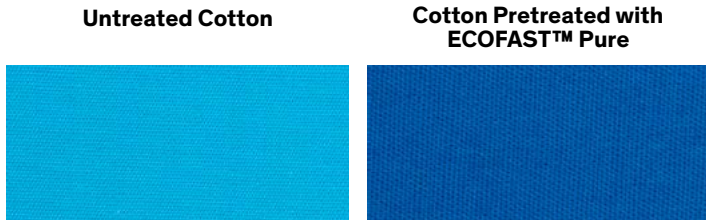
In addition to the significant reduction of water and chemicals necessary for dyeing, cotton pretreated with ECOFAST™ Pure has enhanced dye uptake and can be dyed in room temperature baths. These features can lead to up to 50 percent less dye necessary to achieve the same shade and an overall reduction in cycle time and energy use.

Benefits of ECOFAST™ Pure

- Access to acid dyes on cotton
- Enhanced or comparable light and wash fastness
- Less dye, effluent salt, fixing agents and additives when dyeing
- Conforms to ZDHC MRSL (ZDHC Manufacturing Restricted Substances List)
- Decreased water use through enhanced dye exhaustion
- Reduced energy use with room temperature dye baths
- Less lead time and inventory with dyeing on-demand

Unique, Brighter Colors

Pretreating cotton with ECOFAST™ Pure Sustainable Textile Treatment provides access to acid dyes on cotton and delivers enhanced or comparable light and wash fastness results for direct and reactive dyes.

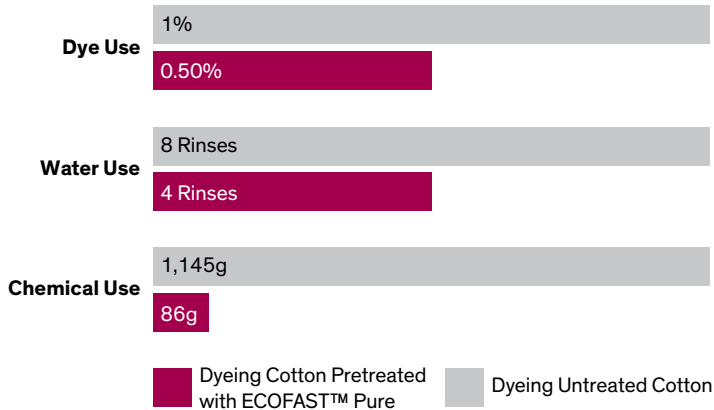


Cotton samples received 4% dye loading of Direct Blue 86.



Cotton samples received 4% dye loading of Acid Yellow 250.

More Sustainable Operations



The graphic representations are presented here for illustrative purposes only and should not be construed as product specifications.

Table 1. ECOFAST™ Pure uses up to 50% less dye to achieve a comparable depth of shade.

	Dyeing Method	Dye Loading	L*	K/S
Direct Red 81	Untreated	4%	45.81	6.39
	ECOFAST™ Pure		31.56	20.04
	Untreated	1%	56.62	3.2
	ECOFAST™ Pure		43.06	10.04
Direct Blue 86	Untreated	4%	61.79	5.03
	ECOFAST™ Pure		38.93	23.72
	Untreated	1%	75.53	1.44
	ECOFAST™ Pure		54.13	14.49
Reactive Red 195	Untreated	4%	36.79	21.13
	ECOFAST™ Pure		24.87	22.13
	Untreated	1%	54.27	4.66
	ECOFAST™ Pure		48.33	8.14
Reactive Blue 21	Untreated	4%	51.41	21.68
	ECOFAST™ Pure		46.31	25.37
	Untreated	1%	70.71	5.06
	ECOFAST™ Pure		62.33	14.37
Acid Red 151	Untreated	4%	56.7	3.03
	ECOFAST™ Pure		28.48	24.74
	Untreated	1%	65.43	1.49
	ECOFAST™ Pure		38.92	15.53
Acid Blue 185	Untreated	4%	79.31	0.41
	ECOFAST™ Pure		55.7	10.66
	Untreated	1%	86.28	0.15
	ECOFAST™ Pure		80.89	0.5
Acid Yellow 250	Untreated	4%	96.06	0.16
	ECOFAST™ Pure		73.51	28.53
	Untreated	1%	96.2	0.09
	ECOFAST™ Pure		96.3	0.7

These are typical properties, not to be construed as specifications.



Interested in Learning More?

Dow provides technical assistance to implement and optimize ECOFAST™ Pure Sustainable Textile Treatment at the mill, while offering global reach and local expertise for reliable supply and support. For more information on ECOFAST™ Pure, please contact the following Dow representative or visit our website at www.dowecofast.com.

Esma Talu
 North America Market Segment Manager
 EOTalu@dow.com
 +1 312 379 7726

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