



ECOFAST™ Pure Sustainable Textile Treatment



Innovative technology enabling unique, brighter colors on natural textiles while reducing water, dye and energy use

A Manufacturing Breakthrough

ECOFAST™ Pure Sustainable Textile Treatment offers breakthrough advantages for textile manufacturers. This patented technology increases dye uptake and shortens cycle time for up to 75 percent reduction in dye use. ECOFAST Pure is compatible with reactive, direct and acid dyes and can be applied through most typical dyeing methods, such as jet exhaust and cold pad batch application. Typical textiles treated with ECOFAST Pure include tubular knit fabric, yarn, denim, garments and toweling.

A Sustainable Breakthrough

In addition to a significant return on investment for the customer, ECOFAST™ Pure Sustainable Textile Treatment reduces environmental impact by enabling shorter cycle time and fewer rinses needed, the technology can reduce water use by more than 50 percent. Additionally, reduced total dissolved salts leads to lower water treatment constraints.

A Performance Breakthrough

ECOFAST™ Pure Sustainable Textile Treatment is used to produce modified cotton by application at the yarn, fabric or apparel stage. Cotton modified with ECOFAST Pure acquires a permanent positive charge, enabling it to have a higher affinity for negatively charged molecules, such as dyes. This results in improved colorfastness without adding salt to the dye bath. ECOFAST Pure also performs without the odor constraints of previous cationic cotton.

Benefits of ECOFAST™ Pure

- Access to acid dyes on natural textiles
- Brighter, bolder colors
- Reduced dye use
- Decreased water use through enhanced dye exhaustion
- Less energy use through lower temperature operations
- Reduced effluent salt
- Fewer fixing agents and additives
- Less lead time and inventory enabled by dyeing on-demand
- Achieve special effects

Access a Variety of Dyes on Natural Textiles

Dye Class	Traditional Dyeing Methods	Dyeing with ECOFAST™ Pure
Reactive	✓	✓
Direct	✓	✓
Acid	X	✓

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

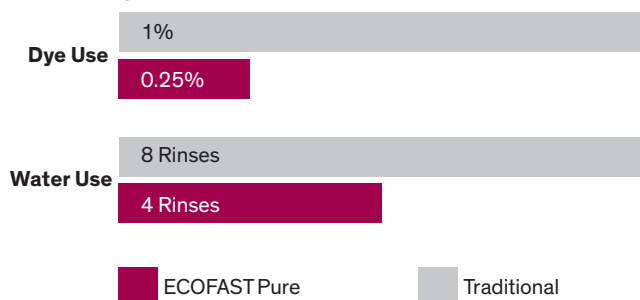


Untreated cotton



Cotton treated with ECOFAST Pure

Reduce Dye and Water Use



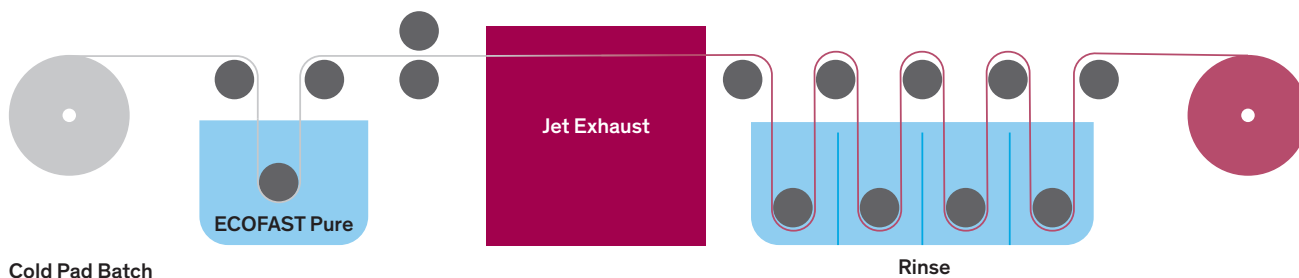
Untreated cotton



Cotton treated with ECOFAST Pure

Both cotton samples received the same loading level of reactive dye.

Example dyeing process with ECOFAST™ Pure Sustainable Textile Treatment



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 representatives, or visit our website at www.dowecofast.com.

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