



HydroBlue® 90 in Indigo warp yarn dyeing

HydroBlue® 90 in combination with disruptive RotaSpray dyeing technology results in better shade continuity with less materials and costs



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RotaSpray

BASF

We create chemistry



Cost efficient dyeing process for denim industry – no compromise on quality

The product qualities of Hydrosulfite and Indigo are two of the most important factors for denim manufacturers to fulfil requirements for ECO standards, shade continuity as well as cost efficiency.

Deviations in Indigo dyeing are difficult to detect until the very last moment after garment wash process. This means that denim quality largely depends on the accuracy of application process, quality of the Hydrosulfite reducing agent and Indigo used.

BASF is currently the only company in the world to produce HydroBlue® 90, a Hydrosulfite in an improved formate process. This has helped to achieve the highest consistent product quality and stability yet available.

RotaSpray has developed a patented Indigo warp yarn spray dyeing technology, a real disruptive technique.

BASF and RotaSpray together significantly reduce the input of dyeing chemicals as well as water and energy. 50% of Hydrosulfite per kg pre-reduced Indigo and 80% caustic soda can be saved. This leads to a less salt freight in the entire dyeing stage. Furthermore compared to a conventional slasher system 80% less water is used.



Spray application for better dyeing solutions

Rotating atomizers – spray application by use of fast rotating disks – are a cost minimizing, resource-saving and low-maintenance technology for your production processes. Used for Indigo dyeing, the Indigo dye molecule is sprayed into the yarn by forced application with rotating atomizers. Following the general trend of small lot sizes increases flexibility and creativity of fabric producers. A color change can be made on 15 meters of yarn – versus slasher boxes where you need 300 to 600 meters of yarn.

HydroBlue® 90
Always authentic.

HydroBlue® 90 will optimize your value chain

Sodium dithionite is a reducing agent, added in yarn dyeing process with the Indigo before denim fabric is made. Unique to BASF, the stable sodium dithionite content of HydroBlue® 90 products ensures an even steadier and more consistent dyeing effect on the yarn to minimize off-specification products along the value chain. It increases your efficiency, the safety of your workers, the quality of your products, and the satisfaction of your customers.

Due to its long-term stable, odorless, and dustfree dithionite content of 90%, it offers unparalleled consistent dyeing quality, reliability, and efficiency, combined with safer handling.

