

# DyStar Indigo Vat 40% Solution

The cleanest Indigo on the market





DyStar's core denim product is our patented DyStar Indigo Vat 40% Solution, the cleanest Indigo on the market. This product represents the state-of-the-art in pre-reduced Indigo liquid, with over 115 years of Indigo production experience and customers worldwide. It allows a cleaner denim production and shows a massive positive impact on resource efficiency such as a reduction of the sodium hydrosulfite usage by 60-70%, much cleaner waste water and less water usage.

## Features

- Aqueous solution of reduced Indigo 'Ready to use'
- Indigo concentration 40% by weight (based on Indigo granules)
- Alkali concentration 9% by weight (calculated as NaOH)
- Minimum inorganic salt content
- Chemical reduction by using hydrogen in our manufacturing facility
- Replaces conventional Indigo stock vat preparation with hydrosulphite

## Advantages

- Precise and easy application
- Cleaner dyehouse – avoiding dust
- Improved industrial hygiene
- More fabric up to standard
- Deeper shades possible
- Potential savings in wash water
- Reduced labor costs
- Global technical team and local specialists in the countries for daily support and innovations
- Global network of cooperation partners for latest innovations

DyStar Indigo Vat 40% Solution  
is approved by:



## Supporting a cleaner Denim production

- **Improved resource productivity**  
*Savings in Indigo up to 15% and hydrosulfite/caustic soda up to 70%*
- **Improved waste water impact**  
*Elimination of dye bath overflow*  
*Reduction of sludge formation in the waste water treatment plant*
- **Strong reduction of major waste water parameters**  
*Sulfates up to 40%*  
*COD up to 70%*  
*TSS up to 90%*
- **Improved occupational health**  
*Liquid dyestuff handled in a closed system*
- **Supporting zero discharge sustainability solutions**



### Committed to Sustainability

At DyStar, our products and services help customers worldwide reduce costs, shorten lead times and meet stringent quality and ecological specifications.

**Global Headquarters**  
**DyStar Singapore Pte Ltd**

Tel: +65 66 71 28 00  
Fax: +65 66 59 13 28

DyStar.Singapore@DyStar.com

**www.DyStar.com**

Information and our technical advice – whether verbal, in writing or by way of trials – are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to check its validity and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with our General Conditions of Sale and Delivery.

DyStar   
are trade marks of DyStar Colours Distribution GmbH

**DyStar**   
02.006.00.1904