

PRESS RELEASE

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PIGMENTURA by CHT

Inspired by Inditex, the CHT Group developed **PIGMENTURA by CHT**, an innovative and sustainable dyeing process that reduces water consumption in the dyeing process by up to 96 %

On December 2nd, 2024 the pigment-based dyeing process PIGMENTURA of CHT Germany GmbH was awarded with the German Ecodesign Award in the Product category.

The German Ecodesign Award honors designers, companies and students from Germany and Europe whose work make an important contribution to the sustainable transformation of the German economy and society. The award has been granted annually since 2012 by the German Ministry for the Environment and the German Environment Agency in cooperation with the International Design Center Berlin.

Dr. Annegret Vester, Chief Sustainability Officer at CHT, about PIGMENTURA:

“Developing chemical products and processes that make textile production more sustainable is of utmost importance to us. Our development departments have always worked together with our colleagues in application technology and our customers to make energy-intensive and water-intensive dyeing processes more sustainable.

PIGMENTURA is an example of how completely new processes can be developed when existing processes are being rethought: The starting point was traditional pigment dyeing where the pigments have to be “bound” to the textile using special components. PIGMENTURA follows the idea of adsorbing pigments on the surface and thus simplifying the process.

It was a highlight when it became clear what great savings potential can be achieved in the dyeing process with PIGMENTURA. The classic reactive dyeing of textiles is associated with very high energy and water consumption. There were numerous obstacles to overcome during the development phase, as each individual process step had to be developed to process maturity. Added to this is the diversity of textiles, which leads to significant changes in dyeing behavior, which we have now been able to standardize with PIGMENTURA

PIGMENTURA by CHT is already in use in the fashion industry worldwide. This makes rivers cleaner, as lower water consumption also results in less wastewater. We are on the way to active environmental protection in the global textile industry.”

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More information about PIGMENTURA by CHT:

PIGMENTURA by CHT is a novelty, pigment-based dyeing process that requires neither water for soaping and rinsing nor the energy needed for heating it, saving up to 96 % of water and 60 % of energy compared to other continuous dyeing processes. This solution is the outcome of an ongoing collaboration between Inditex and CHT Group to develop new products and technologies to address the textile industry's challenges.

Learn more about the ecological benefits of PIGMENTURA by CHT:

[PIGMENTURA by CHT | The new standard of pigment dyeing - CHT Group - special chemicals](#)

[PIGMENTURA BY CHT](#)

About the CHT Group

The CHT Group is a medium-sized global player for specialty chemicals and active worldwide in development, production and sales. CHT Germany GmbH in Tübingen is the headquarters of the group of companies which focuses on sustainable chemical products and process solutions.

TEXTILE SOLUTIONS of CHT improve the quality, functionality as well as look and purity of textiles and optimize their manufacturing processes.

In the fields of silicones, building materials, paints, coatings, leather, release agents, paper, agrochemicals, mining as well as cleaning and care products innovative products and process solutions are provided by the Business Field INDUSTRY SOLUTIONS.

By combining the strengths of the complete group further innovative products, applications or processes are continually developed and vast technical support is offered within the SCIENCE & SERVICE SOLUTIONS. Highly qualified specialists work in state-of-the art laboratories for development, analytics and application technique in order to work out ideas and solutions that meet the latest requirements.

The CHT Group with its own production and sales locations is represented by 28 companies worldwide. In the financial year 2023, the CHT Group generated a group turnover of 601 million Euro with around 2,500 employees.

For more information, please visit [**www.cht.com**](http://www.cht.com)

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