

## Rudolf Group unveils 2 bio-based DWR performance products



Pic: Rudolf Group

Rudolf Group, the German company specialised in innovative and high-quality chemical products, predominantly textile auxiliaries, products for textile care as well as construction chemicals, has launched two brand new, distinctive product propositions entirely manufactured from natural sources that do not compete with human and/or animal nutrition.

The two new products—Ruco-Dry BIO CGR and Ruco-Dry BIO NPE—embrace nature and introduce Durable Water Repellent (DWR) performance entirely based on natural components. This is a significant leapfrog since the company introduced the Ruco-Dry product line that gradually convinced the industry that water-resistance can be achieved through the study and replica of natural models.

Ruco-Dry BIO CGR is an absolute breakthrough and the first Durable Water Repellent (DWR) agent based on plant-derived processing wastes. In fact, Ruco-Dry BIO CGR is made of natural waste that accumulates as by-product during the processing of cereal grains in the food industry. The leftover material that would otherwise be disposed of is refined to create a powerful water and stain repellent textile finish.

“By turning natural waste into DWR we have maximised the biomass content in Ruco-Dry BIO CGR to more than 90 per cent,” said Dr. Dirk Sielemann, R&D director at Rudolf Group. “Although most of the product is composed by recycled biomass, Ruco-Dry BIO CGR stands up to the performance and durability of conventional water repellent textile finishes.”

Ruco-Dry BIO NPE is an equally outstanding product innovation where DWR is entirely based on a carefully selected mix of natural plant extracts. The well-balanced mix of plant-based ingredients combines excellent water and stain repellent effects with breathability and a natural handle.

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Unlike other 100 per cent renewable raw materials, those used in the making of Ruco-Dry BIO NPE are chemically and genetically non-modified and are not used as food, feed or fuel. Furthermore, all of the plant extracts that compose Ruco-Dry BIO NPE are subject to a strict conservation and sustainability framework. “That’s why the supply of Ruco-Dry BIO NPE is likely to remain limited to the creation and marketing of performance outdoor and sports apparel programmes embedding state-of-the-art sustainable technology,” said Dr. Gunther Duschek, managing director at Rudolf Group. The Geretsried, Bavaria-based Rudolf GmbH will market both Ruco-Dry BIO CGR and Ruco-Dry BIO NPE its registered BIO-LOGIC trademark.

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