

# BIONIC-FINISH<sup>®</sup> ECO

WITH RUCO<sup>®</sup>-DRY ECO PLUS -  
ONE STEP AHEAD

Textile Auxiliaries - Finishing

[www.rudolf-group.com](http://www.rudolf-group.com)

BIONIC  
FINISH<sup>®</sup> ECO

BY RUDOLF GROUP

bluesign<sup>®</sup>  
APPROVED

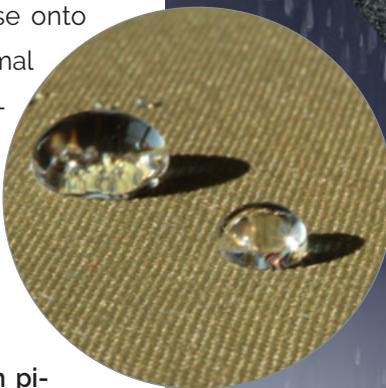
The sensible and sustainable withdrawal from fluorine chemistry demands the user to realistically assess the necessity for repellency of water and aqueous dirt. **RUDOLF GROUP** offers an innovative alternative to the as yet customary strong water repellency which is attained via fluorocarbon chemistry. For years, **BIONIC-FINISH ECO** has been proving its efficiency in the field of making outdoor and sportswear hydrophobic. With the new **RUCO-DRY ECO PLUS**, a significant step has been taken towards improving the good, water-repellent properties of the **BIONIC-FINISH ECO** brand.

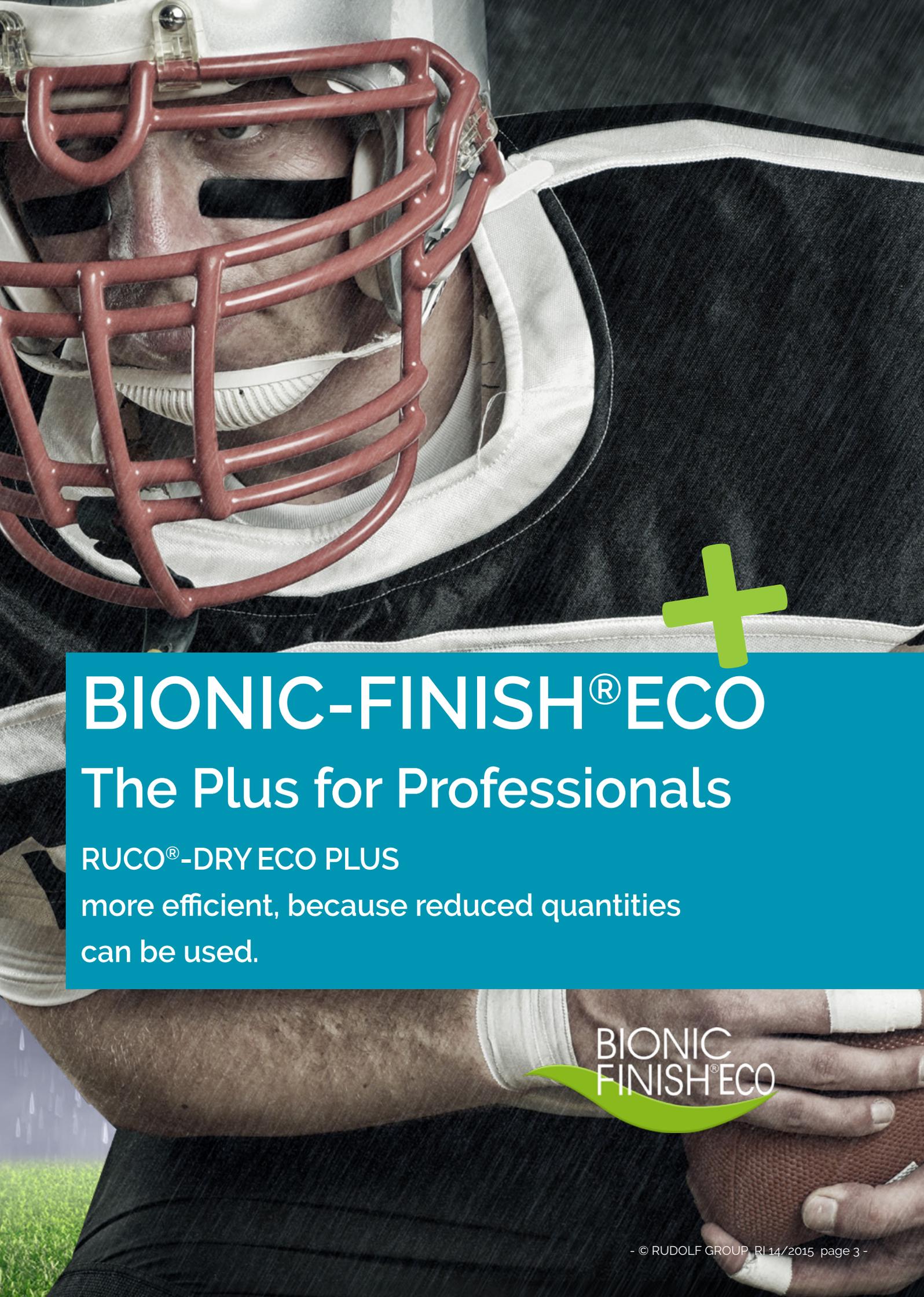
**BIONIC-FINISH ECO** is the umbrella brand for textiles that are finished with **RUCO-DRY ECO** and **RUCO-DRY ECO PLUS** and represents an ecological and pioneering technology for new, permanent water repellent finishing.

**RUCO-DRY ECO** and **RUCO-DRY ECO PLUS** are based on fluorine-free formulas. Highly branched, hydrophobic polymers with dendritic structures are aligned across the textile and crystallise onto specially adjusted comb polymers. An optimal arrangement of many of these functional elements is highly effective. Additional boosters, e. g. **RUCO-LINK RCX**, which act as bonding agents, enable optimal adhesion and permanence on the fibre.

**BIONIC-FINISH ECO** combines ecology with pioneering, textile water repellent finishing.

**RUCO-DRY ECO PLUS** was developed based on a technology which is environmentally friendly and fluorine-free using highly branched polymers, and already belongs to the 3rd generation of products based on fluorine-free formulas. It conveys higher efficiency combined with better permanence and sustainability. Oil and chemical repellency naturally cannot be achieved with this type of chemistry.





# BIONIC-FINISH<sup>®</sup>ECO

## The Plus for Professionals

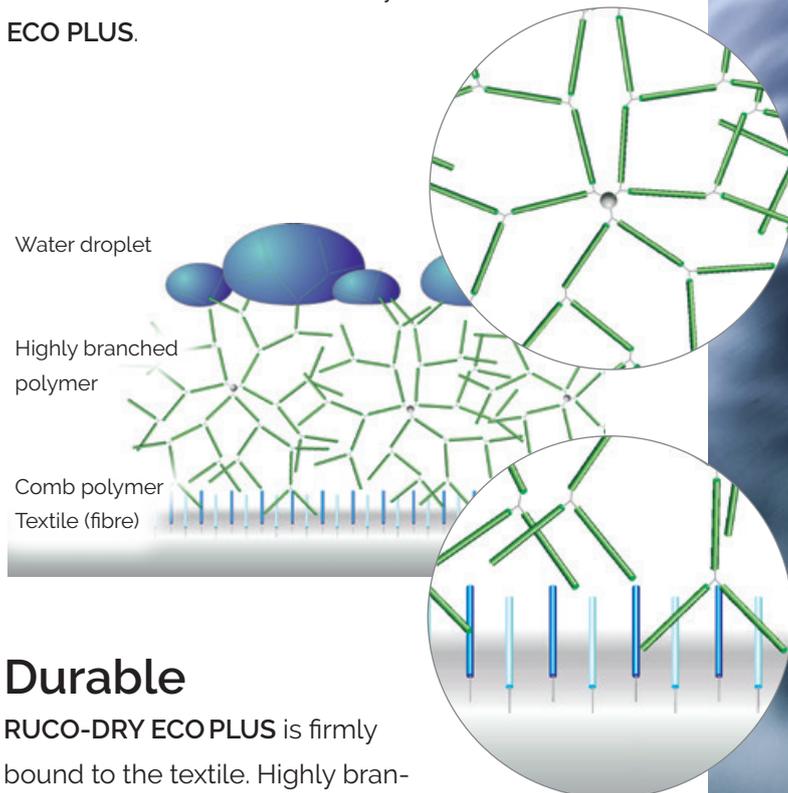
RUCO<sup>®</sup>-DRY ECO PLUS

more efficient, because reduced quantities  
can be used.

BIONIC  
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## Efficient

**RUCO-DRY ECO PLUS** acts extremely hydrophobically. Thanks to its long and hyperbranched polymers, a large surface is formed resembling a coral or a tree-top. Hydrophobic polymer end groups allow water and other aqueous liquids to simply roll off. Structural composition and chemical interaction at a molecular level are crucial to the efficiency of **RUCO-DRY ECO PLUS**.



## Durable

**RUCO-DRY ECO PLUS** is firmly bound to the textile. Highly branched polymers achieve deep contact with the surface of the fibres. Systematically integrated anchor groups create better washing resistance. Boosters that are added according to the fibre substrate generate considerably better washing resistance.

## Sustainable

**RUCO-DRY ECO PLUS** contains advanced, environmentally friendly and sustainable emulsifiers. They stabilise the active hydrophobic components, ensure a good running stability but do not have a re-wetting effect. They guarantee shear stability without having a negative impact on water repellency.



**BIONIC-FINISH<sup>®</sup>ECO**

**The Plus in Security**

**RUCO<sup>®</sup>-DRY ECO PLUS**

more durable, because it is more resistant to laundries.

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FINISH<sup>®</sup>ECO**



**BIONIC-FINISH ECO with RUCO-DRY ECO PLUS is versatile, because it provides:**

- better repellency of water and aqueous dirt
- a high resistance of up to 30 washes (40°C) if ironed finally
- universal suitability for all types of fibres

**BIONIC-FINISH ECO finishes with RUCO-DRY ECO PLUS have many advantages, because they are based on a formula:**

- free from fluorine compounds
- formaldehyde-free
- APEO-free
- does not affect hand
- resilient to abrasion and wear
- breathable
- sewability-improving

**BIONIC-FINISH ECO with RUCO-DRY ECO PLUS is easy to use, because it:**

- doesn't need any special detergents for laundry
- functions when no fabric softener is used
- only needs to be put in the dryer or ironed after washing
- can be used for re-impregnation of garments





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## The Plus for Every Sceptic

RUCO<sup>®</sup>-DRY ECO PLUS

more sustainable, because it was designed to be more environmentally friendly.

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# BIONIC-FINISH® ECO - The Plus wins

Under a free-of-charge licence agreement the **RUDOLF GROUP** offers:

- Permission of use for word and figurative mark of **BIONIC-FINISH ECO**
- **BIONIC-FINISH ECO** labels for your articles
- Artwork for posters, brochures and flyers on **BIONIC-FINISH ECO**

Market your articles by means of the ecological advantages of **BIONIC-FINISH ECO**. Use the innovative **BIONIC-FINISH ECO** for your green image.

Offer articles with ecologically optimised finishes to your customers.

Use **BIONIC-FINISH ECO** to successfully market your articles - for more environmental awareness.

Contact us: [marketing@rudolf.de](mailto:marketing@rudolf.de)!



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OUR COMMITMENT TO SUSTAINABILITY

