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**ROYER**<sup>®</sup>

WE ARE WORK BOOTS

## **NEW R-DRY™ TECHNOLOGY FOR PRODUCTS WITH WATERPROOF MEMBRANES**

Sherbrooke, May 24<sup>th</sup> 2022

Dear clients,

We are writing to inform you that ROYER will no longer manufacture products that include GORE-TEX<sup>®</sup> branded polytetrafluoroethylene (PTFE) laminate.

For more information on the environmental impacts of PTFE, please visit:

<https://en.wikipedia.org/wiki/Polytetrafluoroethylene>

Although PTFE has been widely used in the footwear and apparel industry since the 1970s, there are better commercial alternatives in today's manufacturing landscape.

Products that currently incorporate this component have been (or will be) phased out and replaced with our new, PTFE-free **R-DRY™ technology**.

### **New R-DRY™ technology**

After several months of development, ROYER has chosen a high-performance polyurethane laminate for all of its waterproof and breathable boots.

The R-DRY™ technology has the following key benefits:

- PTFE free
- Fully waterproof
- Proven long-term breathability
- Glueless fusion lamination
- Made from recycled materials

Over the course of 2021, ROYER's Innovation team tested dozens of R-DRY™ boots to ensure the performance was up to our standards.

- ▶ To evaluate the performance against liquid penetration, we used the “SATRA T230: Dynamic Footwear Water Penetration Test” method from SATRA laboratory (UK)<sup>1</sup>.
- ▶ For breathability, we used the MVTR “Breathability / Water Vapor Permeability, Military method” from Precision Testing Laboratories (USA)<sup>2</sup>.

We performed trials using a controlled group to compare the performance of the R-DRY™ membrane with the previously used PTFE membrane.

<b>Test</b>	<b>R-DRY™ membrane</b>	<b>Control Group Boot</b>
Moisture vapor transmission rate after a period of use of <b>1 month</b> .	MVTR <b>6.30</b> grams / hour <sup>3</sup>	MVTR <b>5.72</b> grams / hour <sup>4</sup>

Results Precision Testing Laboratories

As you can see, products with R-DRY™ technology have demonstrated excellent breathability rates (MVTR) when compared to its predecessor.

As a result, the transition to our R-DRY™ technology has begun, starting with our REVOLT™, AGILITY™ TACTICAL and AGILITY™ UNIFORM collections.

For more technical or commercial information regarding this change, please contact your ROYER® representative.

Best regards.

Simon La Rochelle  
CEO  
L.P. Royer Inc.

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<sup>1</sup> [https://www.satrap.com/test\\_methods/detail.php?id=186](https://www.satrap.com/test_methods/detail.php?id=186)

<sup>2</sup> <https://www.precisiontesting.com/footwear-testing/>

<sup>3</sup> Coefficient of variation of 0.126%.

<sup>4</sup> Coefficient of variation of 0.124 %.