

HDry[®]

NEXT LEVEL WATERPROOFING™

The insight that steered **HDry's technological development** is simple: move the waterproof and breathable barrier as far outside as possible to **block the ingress of water to the outermost layer** and prevent its penetration inside the shoe or equipment item.



HDry membranes are **PTFE-free, PFC's free** and **OEKO-TEX STANDARD 100** certified. And now also available in the 'b5' type, with more than **50% biobased** membrane polymer.



HDry is member of **SATRA** and HDry's performance is tested and certified according to: SATRA TM444 (**waterproofness by STM640 centrifuge**), TM77 and TM270 (**flex test in water**), TM376 (**moisture management**).

HDry[®] NORTH AMERICA

HDry North America
Ph. 203-543-2340
gary@ghsholdings.com
www.hdry.com



HDry[®]

NEXT LEVEL WATERPROOFING™



HDry is the most advanced **waterproof/breathable membrane technology** for footwear, gloves and backpacks.

HDry moves the waterproof barrier to the outermost layer, **blocking the ingress of water** and **preventing its penetration in your gear**. This makes it different from all other traditional membrane systems.

SCARPA RIBELLE TECH 2.0 HD
Ph. © Mathis Dumas

FOOTWEAR



The HDry waterproof and breathable membrane is **directly laminated to the inner side of the shoe upper by a patented 3D lamination process and machinery**, sealing the upper's material and all seams in one step (tapeless). Water cannot penetrate the outer surface, so the **boot stays much lighter**, and feet remain dry and comfortable in any weather condition.

And, by **shifting away the membrane from the foot**, a **larger volume of dry air** surrounds it: this dramatically **reduces condensation from perspiration** and keeps stable the foot temperature

The HDry membrane 'direct lamination' process eliminates all drawbacks associated with the **standard waterproof 'bootie' system** where the membrane is combined with the lining and separated from the upper layer, **leaving a gap for water to penetrate and stagnate**.

Footwear lamination machine: **HDry Macpi/397**

GLOVES



The HDry waterproof breathable membrane is **directly laminated to the inner side of the glove shell by a patented 3D lamination process and machinery**, sealing the outer material and all seams in one step: the external glove shell layer and the membrane are a one, with **no space in between**.

Rain, snow, and wind are blocked on the glove's outer surface and a large volume of dry air keeps your hand warm and comfortable. The ultra-thin waterproof HDry membrane and unique lamination process that is **seamless and tapeless increase dexterity and a precise fit**, limiting the need to take your gloves off.

The HDry 'direct lamination' process of the membrane eliminates all drawbacks associated with **standard "free-hanging" glove inserts**, where **water can penetrate in the gap** in between the shell and the membrane.

Gloves lamination machine: **HDry Macpi/394**

BACKPACKS



The HDry waterproof and breathable membrane is **directly laminated to the inner side of the pack's shell by a patented 3D lamination process and machinery**, sealing the pack's outer fabric and all seams in one, seamless and tapeless step.

The result is a **waterproof (>10.000 mm column water)**, sturdy 3-layer construction: as water cannot penetrate the outer surface, so the pack stays **dry and light in any condition**, without compromising its design, weight, or function. The **backpack can even float** when equipped with a rolltop.

The HDry backpack 3-layer compound construction (outer fabric - waterproof membrane - protective 6.6 nylon mesh) provide product **lifetime durability also on heavy duty use**. In particular, the assembly seams on the outer fabric are **reinforced and protected** by the seamless and tapeless HDry barrier.

Backpack lamination machine: **HDry Macpi/392**