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# Xpore: Environmentally-friendly solution for waterproof, breathable textiles leaps ahead of competitors

## *BenQ Materials’ safe, effective advances for clothing and other applications recognized by ISPO*

***Taoyuan, Taiwan, January 15th, 2020 -*** BenQ Materials is pleased to announce the launch of Xpore, a ground-breaking new technology for waterproof and breathable textiles. Xpore is the first genuine innovation in waterproof and breathable technology for many years, providing not only comfort – with an unprecedented “beyond dry” experience – but also environmentally-friendly safety. Xpore, a refinement of BenQ Material’s AirySektor concept, has almost limitless applications in performance clothing, home care, and medical care. Xpore technology is ideal for natural fiber fabrics, such as silk, wool, and cotton, and even for special fabrics requested by designers, such as leather.

Unlike existing products, Xpore technology is safe and free of harmful PTFE/PFCs (Polytetrafluoroethylene and Perfluorocarbons). Xpore technology also provides fully chemical solvent-free processes from membrane manufacturing to lamination. Xpore not only sets a new standard for eco-friendliness from production process to final product, but also offers true breathability together with waterproofing.

BenQ Materials's nano-porous membranes have been recognized as exceptional by the industry-leading ISPO Textrends jury panel of journalists, designers, and independent professionals. When selecting outstanding membrane and coating products, the ISPO jury placed two of BenQ Materials’ products in the top 10, and three of them in the selection category.

In independent tests, Xpore has demonstrated remarkable and significant advantages over the existing dominant technologies in this market. BenQ Materials’s membrane innovations now control moisture with 10 billion nano-pores per square inch – each 20,000x smaller than a water droplet and 200x larger than a water vapor molecule – to keep wearers dry and comfortable in all conditions. As a result, compared to competing products, BenQ Materials’ hydrophobic nano-porous membrane offers better moisture vapor transmission, breathability and durability; is impenetrable to bacteria and mites; and is lighter and faster drying.

### Certification and approval

Xpore technology materials including nano-porous membrane and glue have already received critical SGS and ITS certifications. BenQ Materials’ factory facilities already have ISO approval. Bluesign, OEKO-TEX, and TAF of laboratory approvals are in process.

Xpore offers such a compelling alternative to existing fabric comfort technologies that it promises to make possible entirely new product categories. Xpore will be formally launched and demonstrated with a major press event on January 27, 2020, at ISPO Munich, the leading international sports trade fair. You are also welcome to visit the BenQ Materials booth at ISPO Munich’s Hall C2 Booth 207, where staff will be available to answer inquiries, and selected membranes and coatings will be exhibited.

### Key Facts:

***Date: Jan 27, 2020 from 16:00-17:30
Location: Messe München Fairground Conference Room Press Center West 2nd floor***

For more information about Xpore, please visit: <http://www.xpore-global.com> and Xpore brand video at <https://youtu.be/ncsQ61Bfbb4>

### About BenQ Materials

BenQ Materials, a member of Taiwan’s $20bn BenQ Group of high tech firms, is becoming known in the fabric technology field for exclusive, innovative products. The company, originally named Daxon Technology, was established in 1998 with headquarters in Taoyuan, Taiwan. BenQ Materials began as an optical storage manufacturer, and has gradually shifted its core business to the materials science field. BenQ Materials is among the world’s top four polarizer manufacturers. BenQ Materials product lines include Functional Films, Advanced Battery Materials, and Healthcare Products. Learn more about BenQ Materials at [www.benqmaterials.com](http://www.benqmaterials.com/index.php)