

OrganoTex[®]

Biodegradable, fluorocarbon free
water repellent technology



OrganoTex®



Excellent water repellent performance

Fluorocarbon free

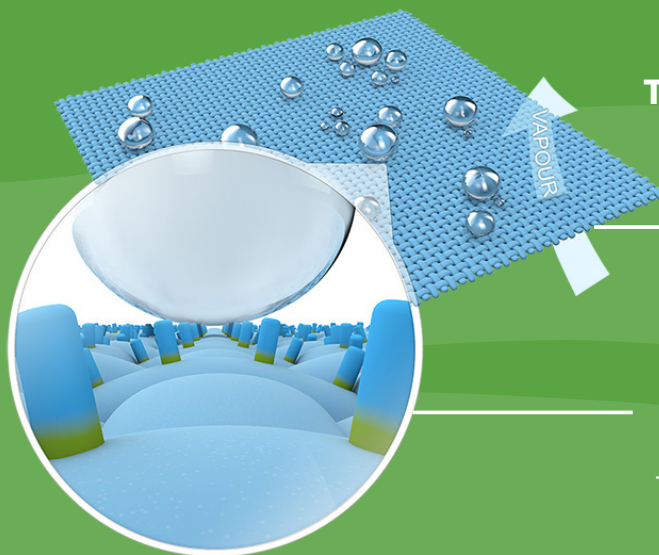
Formaldehyde free

Biodegradable

Maintained vapour permability

Durable to wash and wear

Soft fabric hand



Technology inspired by nature

The surface is covered by a 3D network of organic polymers.

- The polymers have two ends:
 - one hydrophobic, pointing outwards (blue) prevents water droplets from wetting the fabric fibers
 - one reactive (green) strongly bound to the fabric fibers.

The OrganoTex® technology is based on nature's own chemistry and uses plant-based catalysts and organic polymers. Before the OrganoTex® technology is applied to the fabric the reactive end is unbound and biodegradable. However, in the presence of unique plant-based catalysts, the reactive end binds the fabric fibers and is then rendered non-degradable and becomes highly durable.

Sustainable technology

The OrganoTex® technology has been developed according to the highest sustainability standards. The technology is readily biodegradable in accordance with OECD 301 and is free from fluorocarbons, also known as per- and polyfluorinated compounds (PFCs).

Invisible treatment

As the OrganoTex® technology is an invisible treatment and not a covering film, it retains the appearance and texture of the treated fabric, as well as its ability to let water vapour through. It therefore enables the wearer to feel dry and comfortable in OrganoTex® treated clothes.

High repellency

Fabrics treated with the OrganoTex® technology are highly water repellent. This effect makes water droplets quickly bead off, instead of wetting the fabric material. The OrganoTex® technology also protects fabrics from snow and from staining from red wine, coffee, ketchup, etc.

Durable performance

The water repellent properties conferred by the OrganoTex® technology are highly durable to home washing and to wear and tear.

	Before washing	After 20 home washing cycles at 40° C with subsequent tumble drying (ISO 6330)
Spray test (ISO 4920)	5 of 5	4 of 5
Spray test (AATCC 22)	100 of 100	90 of 100

Process support

When a textile mill starts working with the OrganoTex® technology it is not only instructed in the treatment process, but also in means to avoid fluorocarbon contaminations from other processes. This support can enable the production of fully fluorocarbon free and highly water repellent fabrics.

Branding possibilities

Brands that use fabrics treated with the OrganoTex® technology are offered an attractive branding platform that can be used to promote the eco-friendly characteristics of the final textile product to consumers and to retailers. The branding platform comprises hangtags, point-of-sales materials, social media presence, etc.



Make sure your customers know that you have made the sustainable choice.

OrganoTex® has been developed by OrganoClick AB, a Swedish University spin-off company working with environmentally friendly fiber chemistry. OrganoClick AB develops, produces and markets a variety of functional fiber-based materials and additives, providing fiber-based materials with new functionalities in a sustainable manner.

For more information please visit
www.organotex.com or email organotex@organoclick.com