

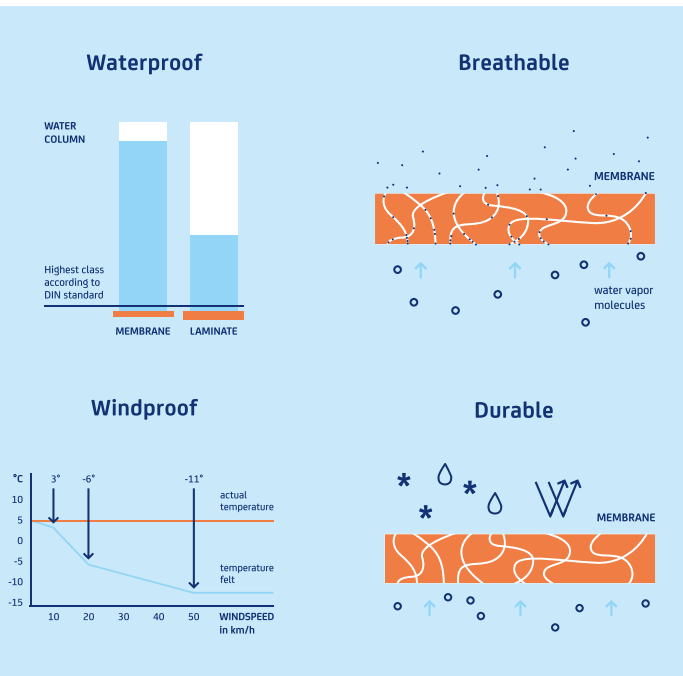
# Sympatex

The sustainable approach to a highly functional yet fully recyclable membrane.

## Performance

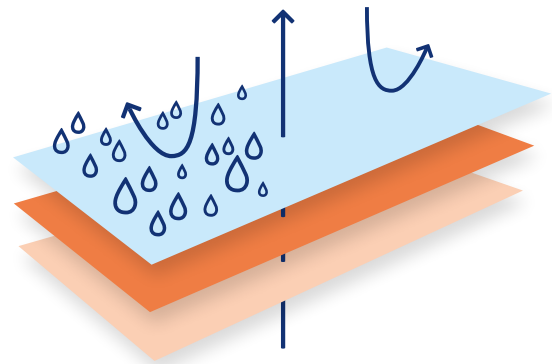
### Re>Think Performance – Dynamic Breathability

In contrast to other membrane technologies, the poreless compact Sympatex membrane is based on a physical and chemical principle. The water-attracting (hydrophilic) part of the membrane absorbs the moisture from the body and emits it to the outside by evaporation. The water vapour molecules are transported outwards along the hydrophilic molecular chains. The molecular structure (hydrophilic components) of the Sympatex membrane swells in moisture and therefore provides space for water vapour transport and fast evaporation.



### From the membrane to the product

The membrane is bonded to polyester facing and lining fabrics to form a laminate. Bonding to a variety of carrier materials is possible for the application of the membrane on different products. Only the use of a tape matched to the laminate makes the end product waterproof and a performance functional textile.



### Function of the membrane

The four performance properties – waterproof, breathable, windproof and durable.

Read more about the function of the  
Sympatex membrane



# Ecology

## Re>Close the Loop

For a long time the cycle was closed, but we humans have broken it. New products continue to be produced which are thrown on large piles of garbage after use. We are the first generation that can close the loop again. To do this, Sympatex produces recyclable membranes for sustainable outdoor clothing.

**By 2030, we want to close the textile loop for functional clothing across the board and produce in a 100% circular fashion. For a clean environment – and for all those who come after us.**



Read more about  
**Re>Close the Loop**



## Benefits

### Top Performance

With purpose, we look on two factors. One is the most obvious one: doing business with a durable product, which delivers high functional waterproof and breathable aspects as a natural given.

- Compact hydrophilic, poreless membrane
- 100% waterproof
- 100% windproof
- Optimally breathable
- Dynamic climate regulation
- Durable and extremely hard wearing
- The world's thinnest membrane (5 µm thick)
- Up to 300% stretch (wearer comfort)

### Maximum Ecology

The second one is the purpose of doing business right. And if we have the momentum of where we are in a holistic view on our world in mind – we should make sure that we use our circle of influence and spread the word.

- Polyester and polyether copolymer (oxygen- carbon-hydrogen) which poses no risk to health and environment
- 100% climate neutral membrane
- 100% recyclable membrane
- PTFE-free and PFAS-free
- Standard 100 by OEKO-TEX® certified
- bluesign® approved
- Reduced carbon footprint in polymer production
- Water-repellent treatments free of toxic fluorocarbons