

Smylex

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**Waterproof breathable
microembossed membranes**

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microembossed membranes**



Sportswear and Footwear



Military Garments



Medical Protection



Roof Insulation



What are they

They are coextruded membranes based on monolithic breathable polymers

Advantages

- high breathability thanks to the microembossing which increases surface area
- high breathability due to the low amount of additives
- good reel unwinding thanks again to the microembossing
- low stickiness at room temperature (reduced reel blocking during warehousing)
- Smylex membranes can also be supplied laminated onto non woven substrates

Applications

- They are used to make fabrics and other substrates waterproof and are permeable to water vapour at the same time

 **EXTEN**
films and laminates

European manufacturer
of quality speciality products


PRODUCT Typical thickness (µm)	S-800 18	S-500 18	NS-550 20 (film)	LS-500-HM 38 (film)	S-400-UV 18	S-400 18
Water Column (mm) UNI EN 20811	> 10000	> 10000	> 5000	> 10000	> 10000	> 10000
Breathability (g/m² * 24h) WVTR 38°C 90%RH Instrumental method	4200	2500	2400	2200	2100	2100
Special Characteristics			Net Supported (15 gsm)	Non-Woven Supported (115 gsm)	UV Resistant	

PRODUCT	S-800	S-500	NS-550	LS-500-HM	S-400-UV	S-400
Windproofness	No passage of wind					
Mechanical Resistance	✓✓	✓✓	✓✓✓	✓✓✓	✓	✓
Soft-Touch	✓✓	✓✓✓			✓✓	✓✓
Clothing	✓✓	✓	✓		✓	✓
Military Garments	✓✓	✓✓			✓	✓
Shoes	✓✓	✓✓	✓	✓		✓
Mattresses	✓	✓✓✓		✓✓	✓✓	✓
Roofing		✓✓	✓✓✓	✓✓✓	✓	
Medical Protection	✓✓	✓✓✓			✓	✓
Construction	✓	✓✓	✓✓✓	✓✓✓	✓	✓

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 Different conditions and equipment might produce substantially different results. The purchasers have to check the suitability of such products for their specific applications.
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**CAST-COEXTRUDED FILMS
COEXTRUSION LAMINATION
HOT MELT LAMINATION
UP TO 2500 mm WIDTH**

**Certified Quality System
UNI EN ISO 9001:2000 
since 1993**