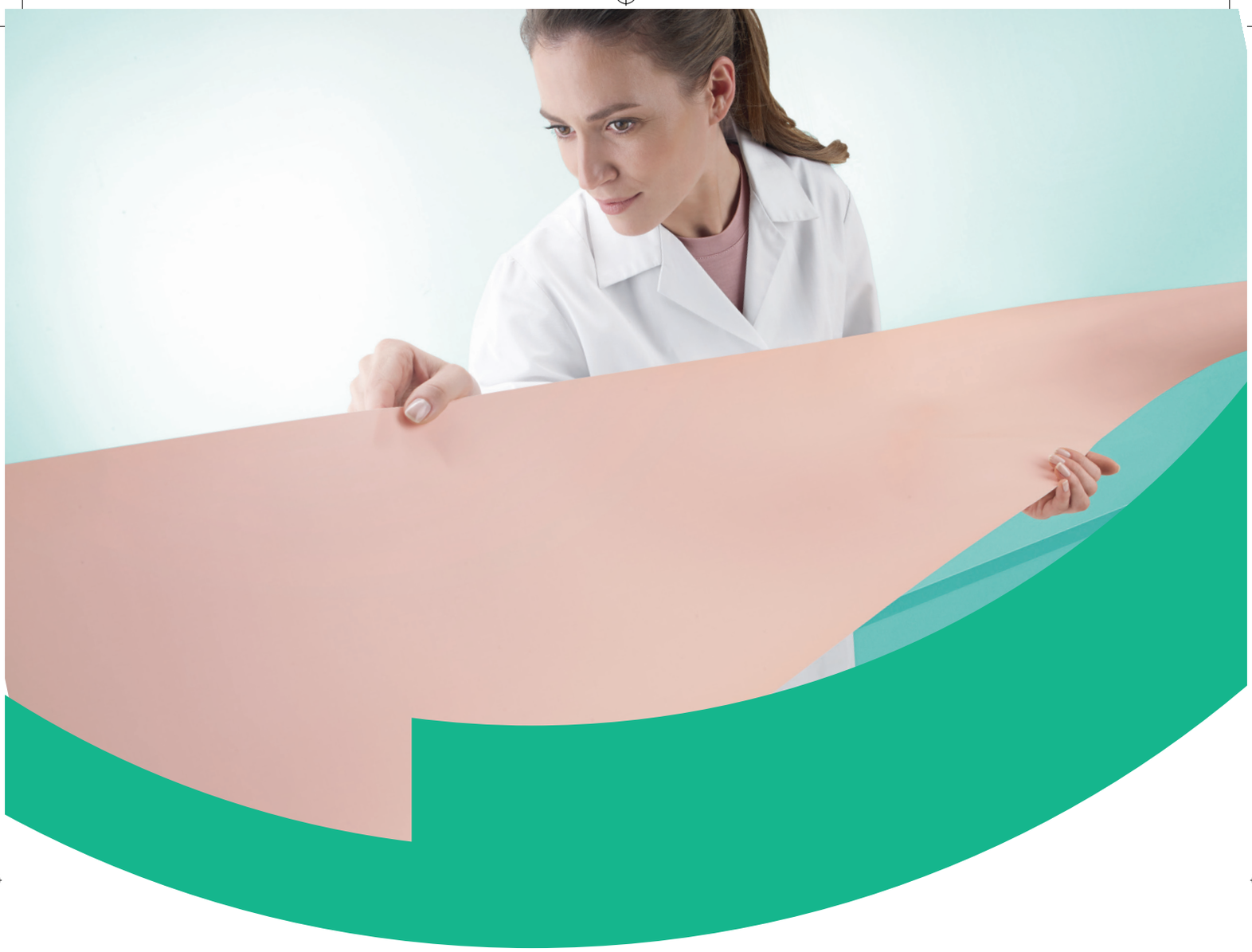

Baymedix® FD for cast Films and Coatings. Breathable and Soft Touch.

Baymedix® FD waterborne polyurethanes create protective, breathable and soft touch films or compact foamed films. These films are cured by physical drying and are easily applied as a one-component system, e.g. doctor blade coating, in a transfer or direct coating process on foams, non-wovens or textiles.

Baymedix®

Key Features of Film made from Baymedix® FD:

- Breathable
- Soft touch
- Excellent mechanical stability and flexibility
- Easy processing
- High chemical stability when cross-linked

covestro

Product Properties

Baymedix® FD103

- Aqueous polyurethane dispersion
- Aliphatic polyurethane
- Low viscosity at high solid content

Baymedix® FP520 Cross-Linker

- Hydrophilic, solvent-free
- Ease of processing (pot life 8 hrs.)
- High chemical stability of FD103 film made with Baymedix® FP520

Property	Baymedix® FD103	Method
Solid content	57–62%	DIN EN ISO 3251
Viscosity at 23 °C	< 2,000 mPa · s	M014-ISO 3219/A.3
pH value	7~9	DIN ISO 976

Property	Baymedix® FP520	Method
NCO content	approx. 17.4%	M105-ISO 11909
Viscosity at 23°C	approx. 2,800 mPa · s	M014-ISO 3219/A.3
Monomer content	< 0.15%	M106-ISO 10283

Film Properties (Examples)

(Curing conditions: 120°C, 2 min, film thickness 50 µm)

Property	Baymedix® FD103	Method
100% modulus	~3.3 MPa	DIN EN ISO 527-2
Tensile strength	40~42 MPa	DIN EN ISO 527-2
Elongation at break	~560%	DIN EN ISO 527-2
MVTR (thickness 25°µm)	2,100 g/(day · m^2)	DIN EN 13726-1 Part 3.3

High Chemical Stability

Standard | With cross-linker

Comparison of standard and cross-linked film in desinfectant solution (standard film dissolved and therefore not visible)

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