



## HIGH-PERFORMANCE FILMS FOR MEDICAL APPLICATIONS

Modern wound management focuses on the patient's well-being, ensuring rapid wound healing and minimum pain, which are also aspects of key importance for health insurers and/or medical personnel. By reducing treatment times, wound management allows patients to be moved from in-patient to out-patient treatment, thus reducing nursing efforts and costs.

The plaster system allows excess moisture to escape and create an optimized wound climate that shortens the healing process and prevents additional stresses to the skin underneath the film. Moreover, the watertight film provides protection against external elements.

**Platilon®**



# High-performance films for medical applications

Thermoplastic polyurethane (TPU) films are used in several different advanced wound management solutions. A variety of properties are customized to fulfill specific customers' requirements such as:

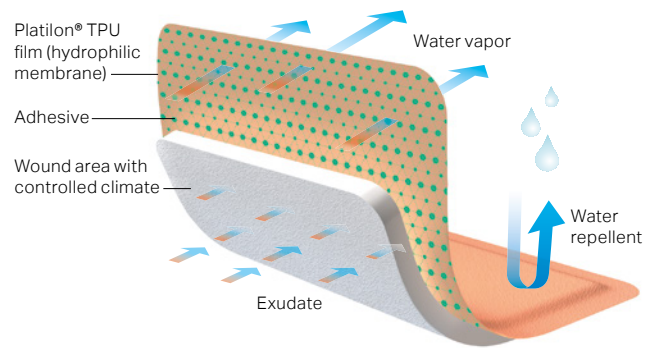
- Water vapor transmission to adjust dressing functionality
- Low friction
- Matte appearance to improve patients' comfort
- Type of carrier film

## Platilon® film applications

- Wound dressings for OTC and advanced wound care
- NPWT dressings (Negative Pressure Wound Therapy)
- Surgical Incision films
- Fixations for wound covers and cannulae

## Platilon® film properties

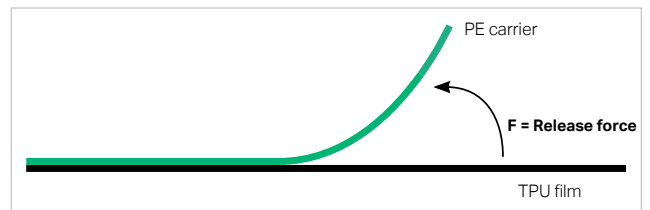
- Excellent breathability
- High elasticity & skin-friendliness
- Waterproof, viral & bacteria barrier
- Sterilization: gamma irradiation & Ethylene Oxide (EtO)
- Customizable surface – glossy, silk matte, extra matte



## Customized colours



## Release force adjustable



## PE carrier as application & production aid

- Release force between TPU film and PE carrier adjustable
- PE carrier thickness from 35 to 70 µm available

# Platilon® film types matrix

Platilon® types	Special characteristics	Features	Friction	Glossy	Silk matte	Extra matte	Thickness range [µm]	Available with stiff PP-carrier
4200-T	High tear resistance	<ul style="list-style-type: none"> <li>• Low MVTR*</li> <li>• Low swelling in water contact</li> <li>• High mechanical stability</li> </ul>	o	x			15–100	x
9142-T			+		x		20–100	x
9158-T			++			x	20–100	x
4200 Z-T	High MVTR, No swell visible	<ul style="list-style-type: none"> <li>• High MVTR*</li> <li>• Low swelling in water contact</li> <li>• High mechanical stability</li> </ul>	-	x			20–100	x
9101-T			+		x		20–100	x
9153-T			++			x	20–100	x
2202 C-T	Excellent MVTR, Switch effect in water contact	<ul style="list-style-type: none"> <li>• Excellent MVTR*</li> <li>• High Swelling in water contact</li> <li>• Low mechanical stability</li> </ul>	--	x			15–100	x
9121-T			+		x		20–100	x
9147-T			++			x	20–100	x

\* MVTR = Moisture Vapor Transmission Rate

® = Registered trademark of Epurex Films GmbH & Co. KG

+ = Low friction

o = Neutral friction

-- = High friction

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