SUPRATHEL®

The temporary second skin

PMI
The Wound Healing Company

SKIN

Synthetic, absorbable, one-time application membrane and alloplastic skin substitute for the treatment of wounds, split-skin donor sites, and burns.

PRODUCT SUMMARY

SUPRATHEL® is a thin, microporous, synthetic membrane

- Adapts to the surface of the wound
- Adheres on contact
- Not biological - Polylactic acid copolymer

SUPRATHEL® is a single application product

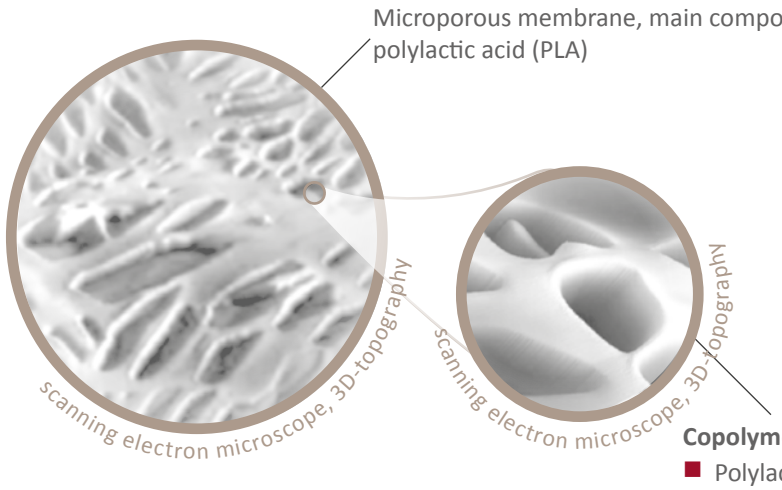
- Apply to a viable, infection free wound bed
- Membrane becomes translucent
- No change of SUPRATHEL® membrane, outer dressing change only
- Separates with epithelialization, no surgical removal required

SUPRATHEL® is well-proven technology

- Over 15'000 applications
- Market leader in key European markets

INDICATIONS FOR USE

- **Partial and full thickness wounds**
- **Split-thickness skin graft (STSG) donor sites**
- **Burns**
  - Superficial
  - Partial thickness
- **Cuts and abrasions**
- **Trauma and surgical wounds**
- **Ulcers**



Copolymer* from

- Polylactide
- Trimethylene carbonate
- ε-Caprolactone

* The individual components have been successfully used in surgery for decades.

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KEY BENEFITS

Significant pain relief - by up to 60% [1]

- Significantly less IV narcotic management required
- Minimally manipulative dressing changes with no anesthesia

Significant reduction of infections and inflammatory response, no biologic risk[1]

- Synthetic, biocompatible, absorbable
- Minimizes risk of infections and inflammation, no reported allergic reactions

Faster wound healing[2]

- Reduces healing time for STSG donor sites allowing for early reharvest
- ROM can begin 2-5 days following application

Lower treatment costs[3] - by up to 69%

- One-time wound dressing, no change of SUPRATHEL® needed
- Less care and aftercare needed, shortened need for hospitalization
- Less administration of pain medication needed

Good cosmetic and functional outcomes and scar quality[4]

PROPERTIES

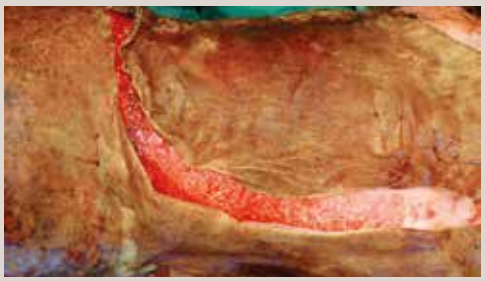
Composition: Lacto-capromer, main constituent: Polylactic acid
Degradation: 4-6 weeks (hydrolytically)
Plasticity: > 200 % elongation at break
Permeability to water vapor: 40 - 70 ml/m² (hour), approx. 1.000 - 1.700 per day
pH: from 5.5 (initial) to 4.0 in vitro

ORDERING INFORMATION

Size	Membranes	Order-No.
2.0 x 2.0 in / 5 x 5 cm	5	150505 - US
3.5 x 3.9 in / 9 x 10 cm	1	110910 - US
3.5 x 3.9 in / 9 x 10 cm	5	150910 - US
7.1 x 3.9 in / 18 x 10 cm	1	111810 - US
7.1 x 3.9 in / 18 x 10 cm	5	151810 - US
7.1 x 9.1 in / 18 x 23 cm	1	111823 - US
7.1 x 9.1 in / 18 x 23 cm	5	151823 - US

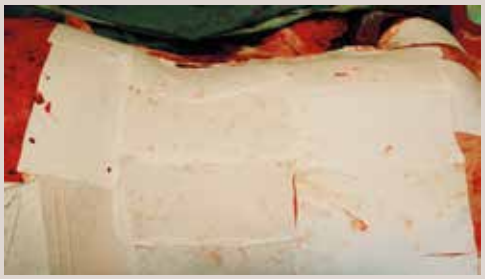
CAUTION: Federal law restricts this device to sale by or on the order of a physician.

Case study:
Partial thickness burn, TBSA - 90%

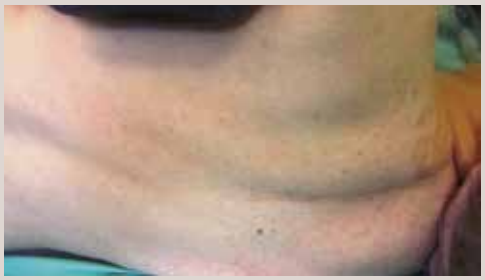


Prior to OR

Debridement



Application of SUPRATHEL®



Long-term results, after 24 months

Kamolz et al., Eur. Surg. 40/2008

Literature

[1] Uhlig et al., Burns 33/2007; Schwarze at al., Am. Plast. Surgey 60/2009; Markl et al., Am Plast. Surg. 65/2010; Highton et al., Burns 39/2013

[2] Uhlig et al., Burns Nov. 33/2007; Schwarze at al., Burns Nov. 33/2007

[3] Keck et al., Burns 2012; Uhlig et al., Burns Nov. 33/2007; Highton et al., Burns 39/2013

[4] Schwarze et al., Burns Nov. 33/2007; Everett at al., J. Wound Care 24/2015