



Synthetic, one-time-application skin substitute for the treatment of epidermal and dermal wounds

PRODUCT SUMMARY

SUPRATHEL® is a thin, microporous, synthetic skin substitute

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

SUPRATHEL® is a single application product

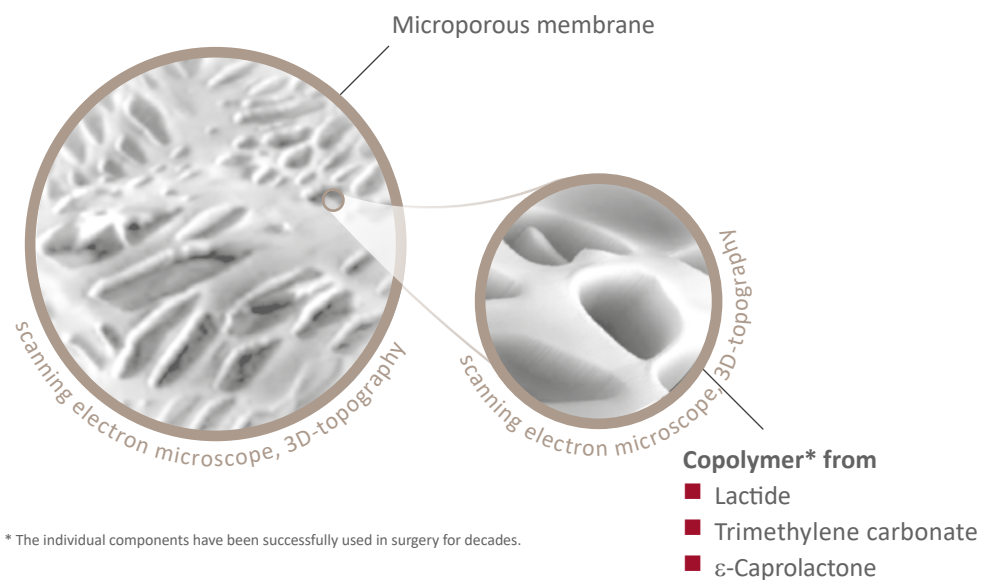
- Apply to a viable, infection free wound bed
- Membrane becomes translucent
- No change of SUPRATHEL® membrane, outer dressing change only
- Separates with epithelialization, no surgical removal required

SUPRATHEL® is well-proven technology

- Over 100'000 applications
- Market leader in key European markets

INDICATIONS

- **Split-thickness skin graft (STSG) donor sites**
- **Burns**
 - Superficial
 - Partial thickness
 - Partial thickness with 3° areas
- **Abrasions**



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KEY BENEFITS

Significant pain relief ¹⁻³ - by up to 60%

- Significantly less IV narcotic management required
- Minimally manipulative dressing changes without anesthesia

Low rate of infections, no biologic risk ³⁻⁵

- Synthetic, biocompatible, absorbable
- No reported allergic reactions, only few cases with infections and inflammation

Fast wound healing ^{1,6,7,10}

- Improved early epithelization
- Early mobilization can begin 2-5 days following application

Lower treatment costs ^{2,4,5} - 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 ^{8,9}

Reduced inflammatory reaction ¹¹

PROPERTIES

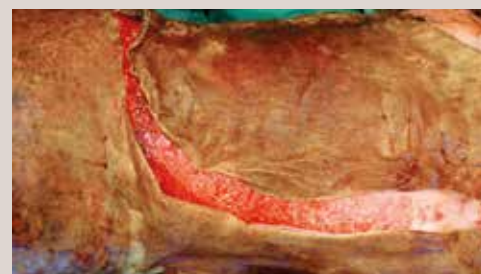
	Composition:	Lacto-capromer
	Degradation:	hydrolytically
	Plasticity:	> 50 % elongation at break
	Permeability to water vapor:	40 - 70 ml/m ² (hour), approx. 1.000 - 1.700 ml/m ² per day
	pH:	from 5.5 (initial) to 4.0 <i>in vitro</i>

ORDERING INFORMATION

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

Case study:

Partial thickness burn, TBSA - 90%



Prior to operation



After debridement



Application of SUPRATHEL®



Long-term results, after 24 months

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

Literature

- ¹ Uhlig et al. 2007: Burns. 33(2):221-9
- ² Schwarze et al. 2007: Burns. 33(7):850-4
- ³ Schwarze et al. 2008: Ann Plast Surg. 60(2):181-5
- ⁴ Everett et al. 2015: J Wound Care. 24(7):S4-8
- ⁵ Glat et al. 2014: Abstract, 46th Annual Meeting of the ABA
- ⁶ Lindford et al. 2011: Burns. 37(7):e67-72
- ⁷ O'Brian et al. 2015: Abstract, 47th Annual Meeting of the ABA
- ⁸ Kaartinen and Kuokkanen 2011: J Plast Surg Hand Surg. 45(4-5):200-3
- ⁹ Keck et al. 2012: Burns.38(3):388-95.
- ¹⁰ Gürünlüoğlu et al. 2019: J Burn Care Res, Jun 21;40(4):444-450
- ¹¹ Demircan et al. 2021: Ulus Travma Acil Cerrahi Derg Actions. Jan;27(1):122-131