DERMABOND™ PRINEO™ Skin Closure System

(22 cm, 42 cm, and 60 cm)

Optimized healing and high patient satisfaction

- Significantly greater skin-holding strength than skin staples or subcuticular suture[1,2]*
- Provides microbial-barrier protection 99% effective in vitro for 72 hours against organisms commonly associated with surgical site infection (SSI)[3†§]
- Leads to better cosmesis compared to staples[4‡]
- DERMABOND PRINEO System (22 cm) leads to greater overall patient satisfaction when compared to staples[5‡]
  - Patient may be able to shower immediately after the procedure, if directed by the healthcare professional[6]
- At the time of removal, DERMABOND PRINEO System (60 cm) is associated with less pain than other wound closure devices[7]
  - No post-surgical dressings may mean easier self-care and greater self-confidence in patients[8]

ETHICON
Johnson & Johnson SURGICAL TECHNOLOGIES

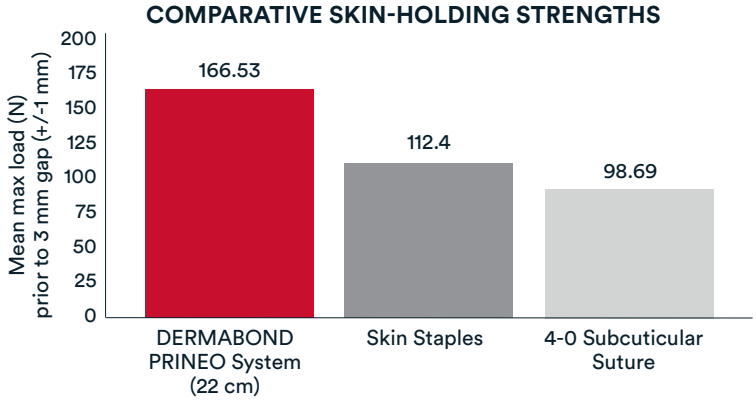
*In an ex vivo study, more load in N was required to create a 3 +/- 1mm gap between skin edges approximated with DERMABOND PRINEO System (22 cm) than with subcuticular 4-0 MONOCRYL® (poliglecaprone 25) Suture or PROXIMATE® Ethicon Endo-Surgery skin staples (P=0.00).
†Staphylococcus epidermidis, Escherichia coli, Staphylococcus aureus, Pseudomonas aeruginosa, and Enterococcus faecium.
‡Double-blinded quantitative research study comparing surgeon experience with DERMABOND PRINEO System (22 cm) and skin staples in total knee arthroplasty. N=83 orthopaedic surgeons. 90% c.l. Fielded June/July 2017.
§Clinical Significance Unknown

DERMABOND™ PRINEO™ Skin Closure System

Powerful combination of 2-octyl cyanoacrylate (2-OCA) and self-adhering mesh conforms to body's contours and holds tissue in place[9]

- Flexible, self-adhesive polyester mesh for approximation and healing[10,11]
- Strong 2-octyl cyanoacrylate topical skin adhesive sets in approximately 60 seconds when applied to mesh[12]

Significantly greater skin-holding strength than staples or suture

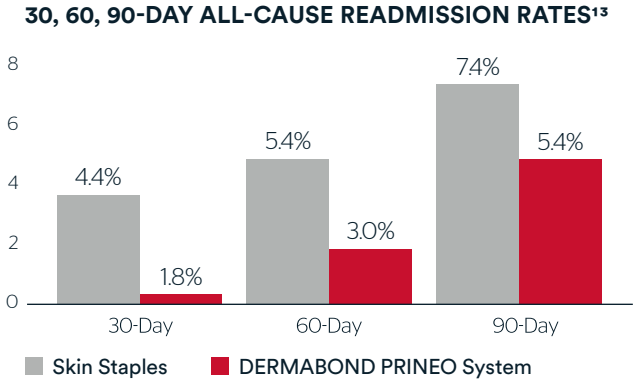


The average strength of DERMABOND PRINEO System (22 cm) was shown to be[1,2*]:

- ~33% stronger when compared to the average strength of staples
- ~40% stronger when compared to the average strength of 4-0 suture

DERMABOND PRINEO System may improve total knee arthroplasty outcomes

Based on a retrospective analysis of 1,942 TKA procedures, DERMABOND PRINEO System was associated with statistically significant **reduced length of hospital stay, reduced probability of discharge to skilled nursing facility (SNF) or other non-home setting and reduced readmission rates** when compared to skin staples.[13]



$12,83914 Potential cost savings by avoiding readmission within 30 days of TKA

12% reduction

in length of stay
with DERMABOND PRINEO System[13]

31% reduction

in discharge to non-home setting
with DERMABOND PRINEO System[13]

For complete indications, contraindications, warnings, precautions, and adverse reactions, please reference full package insert.

*In an ex vivo study, more load in N was required to create a 3-mm gap between skin edges approximated with DERMABOND PRINEO System (22 cm) than with subcuticular 4-0 MONOCRYL® (poliglecaprone 25) Suture or PROXIMATE® Ethicon Endo-Surgery skin staples (P<.001).

References: **1.** Kumar A. AST-2014-0246. Data on File, Ethicon, Inc. Study to compare the tissue holding strength of DERMABOND® PRINEO® 22 cm Skin Closure System (DP22) to conventional wound closure techniques. Ethicon, Inc. **2.** Kumar A. AST-2012- 0290. Completion Report: Study to compare the tissue holding strength of PRINEO Skin Closure System with conventional wound closure techniques. 2012. Ethicon, Inc. **3.** Su 06TR071 Study Report for in vitro evaluation of microbial barrier properties of DERMABOND ProTape. Ethicon, Inc. **4.** DERMABOND PRINEO System Claims Matrix. 080254-170912. Ethicon, Inc. **5.** DERMABOND PRINEO System Claims Matrix. 080257-170912. Ethicon, Inc. **6.** DERMABOND PRINEO Skin Closure System (42 cm) Instructions for Use. Ethicon, Inc. **7.** Parvizi D, Friedl H, Schintler MV, et al. Use of 2-Octyl Cyanoacrylate Together with a Self-Adhering Mesh (Dermabond™ Prineo™) for Skin Closure Following Abdominoplasty: An Open, Prospective, Controlled, Randomized Clinical Study. Aesth Plast Surg. 2013;37:529-537. **8.** De Cock E, F, Mueller K, Tan R. Changing the surgical wound closure management pathway: time and supplies with PRINEO vs. standard of care for abdominoplasy surgery in Germany. Poster presented at: International Society for Pharmacoeconomics and Outcomes Research, 11th Annual European Congress: November 2008; Athens, Greece. **9.** 06CS005. Multi-centre study to show equivalence of DERMABOND™ PROTAPE to INTRADERMAL SUTURES for skin closure of full thickness surgical incisions. June 2010. Ethicon, Inc. **10.** DERMABOND PRINEO System Claims Matrix. 055548-160627. Ethicon, Inc. **11.** Shapiro AJ, Dinsmore RC, North JH Jr. Tensile strength of wound closure with cyanoacrylate glue. Am Surg. 2001;67(11):1113-1115. **12.** McCrum LM. Study 06PD058: DERMABOND™ ProTape working time and polymer characterization as a function of working time. 2006. Ethicon, Inc. **13.** Stratafix & Prineo Study, RWE16-ETH-012. January 18, 2017. Ethicon, Inc. **14.** Inflated Costs of Hip and Knee Replacement Index Stays and 30d Readmission. Ethicon, Inc.

ETHICON
Johnson & Johnson SURGICAL TECHNOLOGIES