

Key facts guide



Mepilex® Border Comfort

A unique combination of Flex Technology and Safetac®


Mölnlycke®

Wounds need to heal. Patients need care. Nurses need time. Budgets are tight. The challenge is finding a dressing that stays on as long as it is needed.

Mepilex® Border Comfort is a 5-layered, silicone bordered foam dressing with unique Flex Technology designed to help it conform and stay on^{1,2}.



#1 Designed to conform and stay on

UP TO 92%

More conformable than other foam dressings¹

#2 Smart exudate management

UP TO 265%

Greater exudate handling capacity compared to other foam dressings^{3,4}

#3 Reduced pain and trauma with Safetac®

93%

Of patients preferred dressings with Safetac® over other dressings⁵

Designed for a wide range of exuding wounds²

Mepilex[®] Border Comfort meets the needs of a range of wound types, and being easy to apply, can save time and resources²



Versatile and easy to use:

- Mepilex[®] Border Comfort simplifies dressing choices by:
 - Being suitable for both acute and chronic wounds²
 - Handling exudate from moderate to highly exuding wounds²
 - Remaining gentle, thanks to Safetac[®] 4-6
- Shower proof⁷
- Three-part release liner* makes Mepilex[®] Border Comfort easy to use, so you can⁹:
 - Apply your dressings accurately and securely
 - Avoid wrinkles, rolled edges and re-applications
- A dressing that is simple to apply could save time and reduce waste

*Available in 15 x 15cm and 15 x 20cm

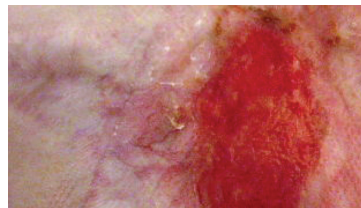
Diabetic foot ulcers



Venous leg ulcers



Pressure ulcers**



**Where a repositioning or offloading protocol is used

Skin tears



Traumatic wounds



Designed to conform and stay on

Unique Flex Technology allows Mepilex® Border Comfort to move in every direction, reducing skin stress, increasing comfort and keeping it in place¹⁰⁻¹⁴.

Mepilex® Border Comfort has been shown to stay in place better compared to other tested foam dressings due to unique Flex Technology

3x

Stays on knees three times better than Biatain® Silicone¹³

2x

Stays on elbows two times better than Aquacel® Foam¹⁴

Study design^{13,14}:

- 33 healthy volunteers wore dressings on elbows and knees for 8 days
- 25 ml of saline solution was added to the dressing before application
- Adhesion assessment carried out on days 2, 4, 5, 7 and 8

Results:

- Adhesion was found to be better with Mepilex® Border Comfort at all time points^{13,14}
- Fewer premature detachments recorded with Mepilex® Border Comfort^{13,14}



Designed to conform

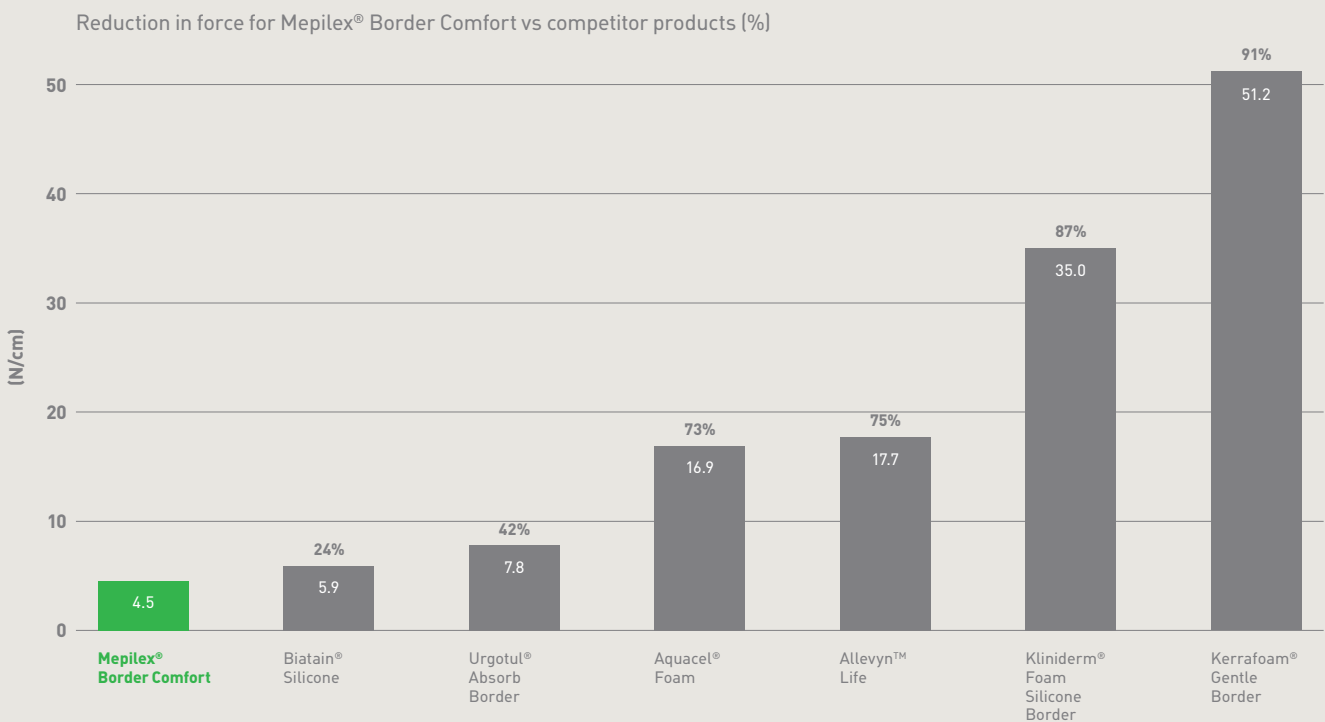
Mepilex® Border Comfort has greater conformability compared to other dressings tested due to unique Flex Technology^{1,12,14}

Study design¹:

- Standard test method SS EN 13726-4:2003 (E)
- The force required to extend a strip of each dressing by 20% for 60 seconds is measured
- The less force required, the more conformable the dressing

Results:

- Mepilex® Border Comfort is up to 92% more conformable compared to other dressings tested¹
- Due to Flex Technology, the greater conformability of Mepilex® Border Comfort allows it to adapt to the shape and movement of the patient¹, minimising the risk of detachment^{1,13,14}



The graph bars show the force needed to stretch a test strip in both directions. Less force needed equates to greater conformability

Designed to improve comfort and stay on

The greater flexibility of Mepilex® Border Comfort works to improve patient comfort and reduce the risk of detachment¹⁰

Study design¹⁰:

- Levels of stress at skin level and the dressing borders were measured using computer modelling

Results:

- Mepilex® Border Comfort significantly reduced the stress at skin level compared to Allevyn™ Life, which could lead to increased patient comfort¹⁰
- Pulling forces at the border were reduced by an average of 20% with Mepilex® Border Comfort; less pull on the borders could reduce the risk of rolling edges and detachment¹⁰

Reduced pressure =
increased patient comfort

UP TO 70%

Reduced stress at skin level vs. Allevyn™ Life¹⁰



Reduced pulling force =
decreased risk of detachment

20%

Pulling forces at the border were reduced by an average of 20% with Mepilex® Border Comfort¹⁰



Designed to keep a low profile

The smart exudate management of Mepilex® Border Comfort in combination with unique superabsorbent fibre composition results in minimal swelling to maintain a discreet profile and conformability¹⁵, reducing the risk of the dressing coming off

Study design¹⁵:

- Dressing profiles were measured when dry, 20ml of fluid was added and the dressings measured again
- The percentage shows the increase in dressing profile
- The lower the percentage increase the better the dressing maintains its profile

Results:

- Mepilex® Border Comfort shows the smallest percentage increase compared to five competitors¹⁵

Swelling after absorption of 12ml of fluid and 20 minutes resting time:

Before



After



Mepilex® Border Comfort

+35%

Before



After



Biatain® Silicone

+93%

Before



After



Kerrafoam® Gentle Border

+141%

Smart exudate management

Mepilex® Border Comfort absorbs, channels and traps exudate and allows you to track its progress¹⁶. It also keeps exudate away from the wound bed, preventing re-entry, even under compression¹⁷.

The unique construction of Mepilex® Border Comfort provides an optimal balance of exudate absorption and moisture vapour loss, maximising exudate management³

265%

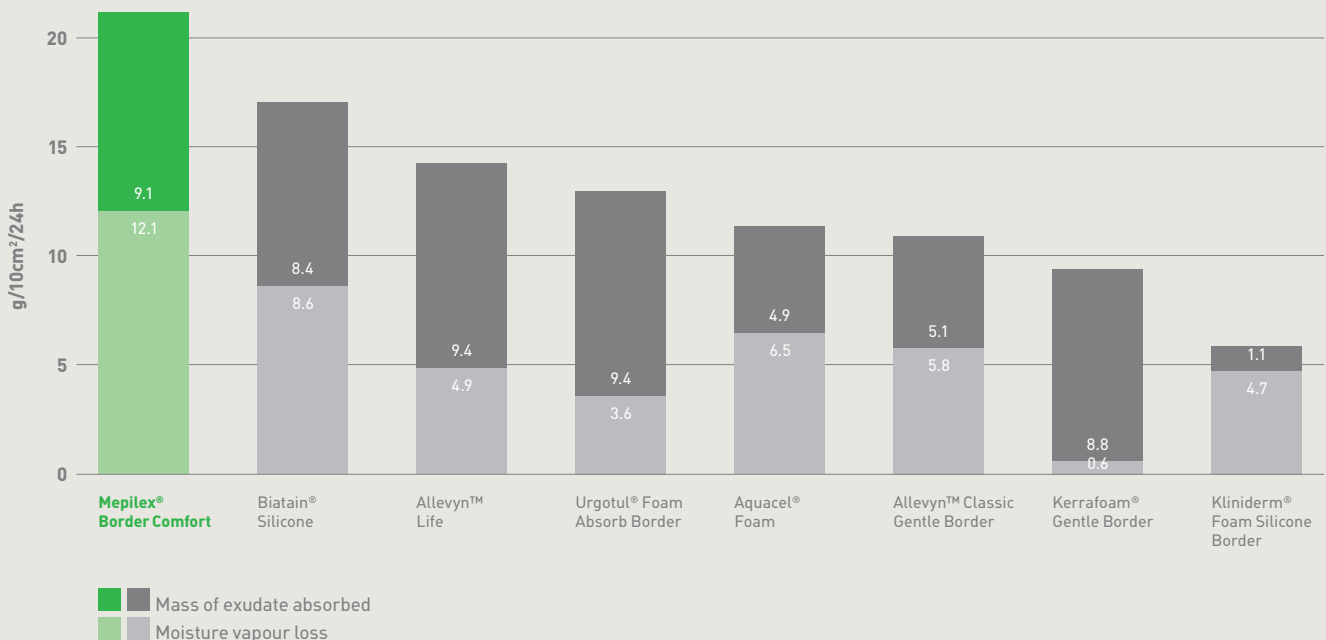
Greater exudate handling capacity compared to other foam dressings^{3,4,8}

Study design³:

- Standard test method, SS-EN 13726-1:2002 (E) 3.3
- Dressings are placed on a cylinder and a set quantity of saline solution is added
- The cylinder is then sealed and kept under controlled humidity and temperature
- The weight of dressing and weight of remaining liquid before and after the test period indicate the absorbency and moisture vapour loss of the dressing

Results:

- Mepilex® Border Comfort outperformed several international wound dressing brands – by as much as 265%^{3,4,18}



The unique construction of Mepilex® Border Comfort enables it to handle even viscous exudate, making it suitable for a range of wound types and healing stages^{2,20}

4x

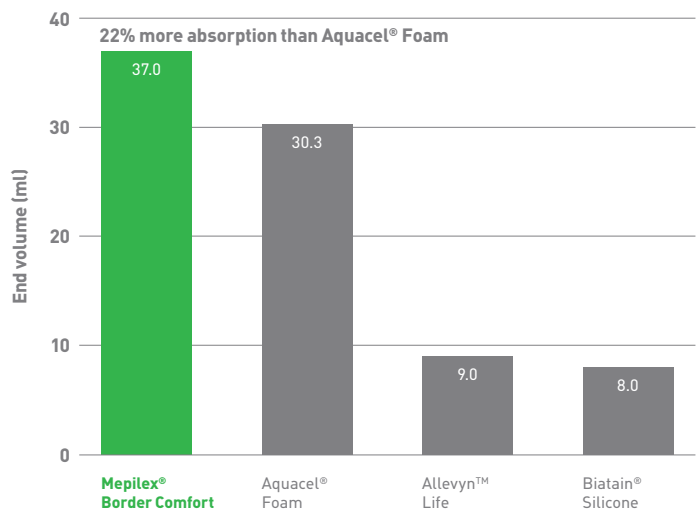
More absorption of viscous fluid than Allevyn™ Life and Biatain® Silicone¹⁹

Study design²⁰:

- The absorption capacity was tested with a solution created to simulate thick exudate applied at a constant flow from underneath the dressing
- The test stops when leakage is reached, and the end volume is the amount of liquid added during the experiment

Results:

- Mepilex® Border Comfort absorbed more viscous fluid than other dressings²⁰



Exudate channelled to maximise capacity

The unique spreading layer in Mepilex® Border Comfort distributes fluid over a wide area, maximising the fluid handling capacity¹⁹

Study design¹⁹:

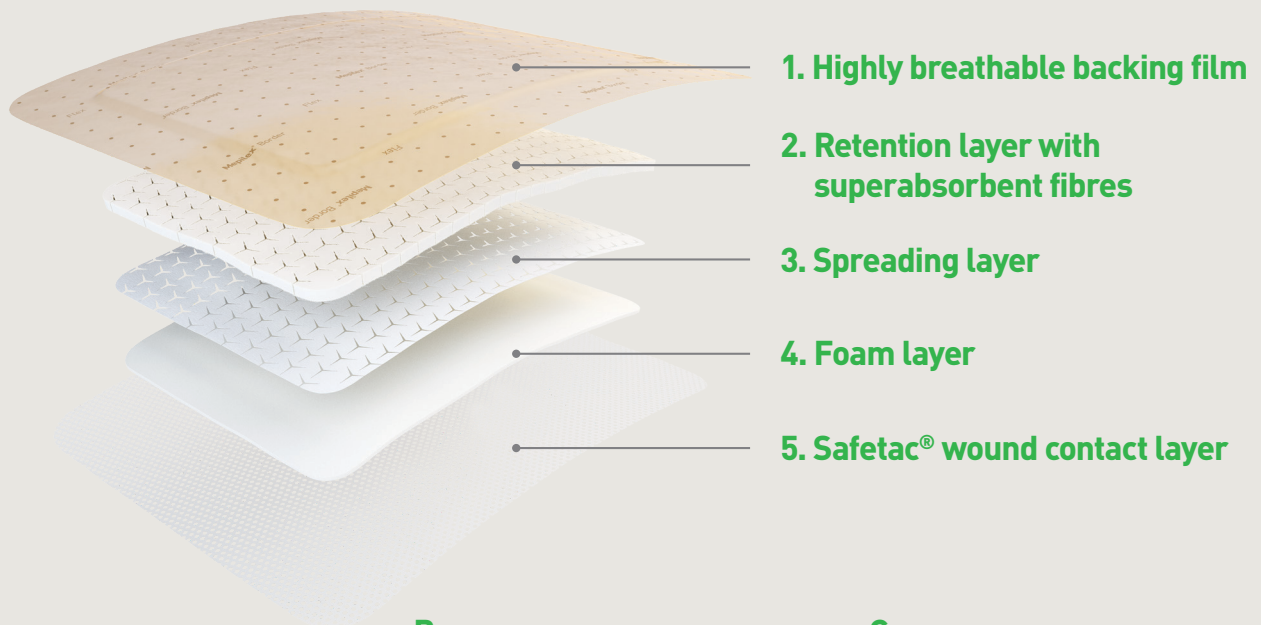
- Simulated wound fluid (SWF) was applied to the dressing with medium exuding wound flow rate over 24 hours
- After 24 hours dispersion of the solution across the different layers was assessed

Results:

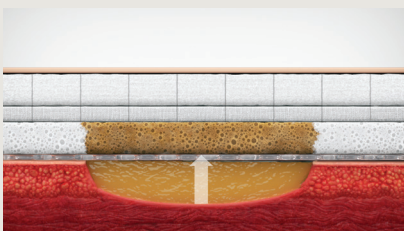
- Mepilex® Border Comfort spreads fluid effectively within the dressing, maximising exudate management¹⁹

Lateral spread + **Breathable backing film** = **Greater fluid handling capacity** + **Minimal swelling**
(unique spreading layer)

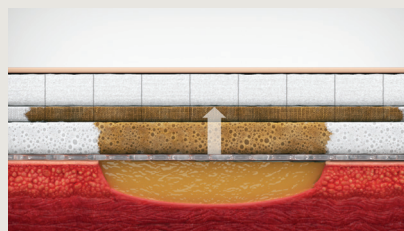
Unique construction of Mepilex® Border Comfort



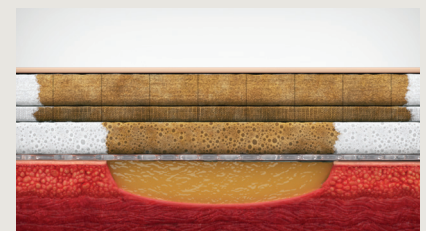
A



B



C



(A) Exudate is absorbed by foam layer, (B) is laterally spread by the spreading layer, before (C) being trapped by retention layer

Bacteria trapped away from the wound^{21,22}

The unique blend of superabsorbent fibres in the retention layer prevents exudate containing bacteria from re-entering the wound bed, even under compression, whilst the backing film prevents bacteria from getting in²¹⁻²³.

Mepilex® Border Comfort traps exudate containing bacteria more effectively than Sorbact® Foam Gentle Border and Cutimed® Siltec Sorbact®^{21,22}

Study design^{20,21}:

- Each dressing had a solution of bacteria inoculated through the backing film and was then:
 - Placed on an agar plate
 - Compressed with 1kg
 - Kept at 35°C for one hour, then incubated to allow bacterial growth

Results:

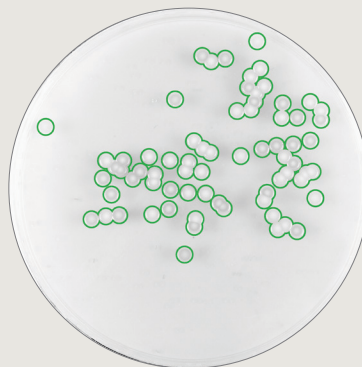
- There were no, or low numbers of, colony forming units with Mepilex® Border Comfort, in contrast to other dressings^{21,22}

Bacteria trapped, even under compression



A

Mepilex® Border Comfort after 1 hour of contact, number of bacterial colonies: between 0 and the low single digits^{21,22}.



B

Sorbact® Foam Gentle Border after 1 hour of contact, number of bacterial colonies: about 70 bacterial colonies²¹.



C

Cutimed® Siltec Sorbact® after 1 hour of contact, number of bacterial colonies: too numerous to count²².

Less bacteria released

Mepilex® Border Comfort keeps bacteria trapped, releasing up to 22 times less bacteria than other dressings, minimising the risk of recontamination²⁴

22x

less bacteria than other dressings

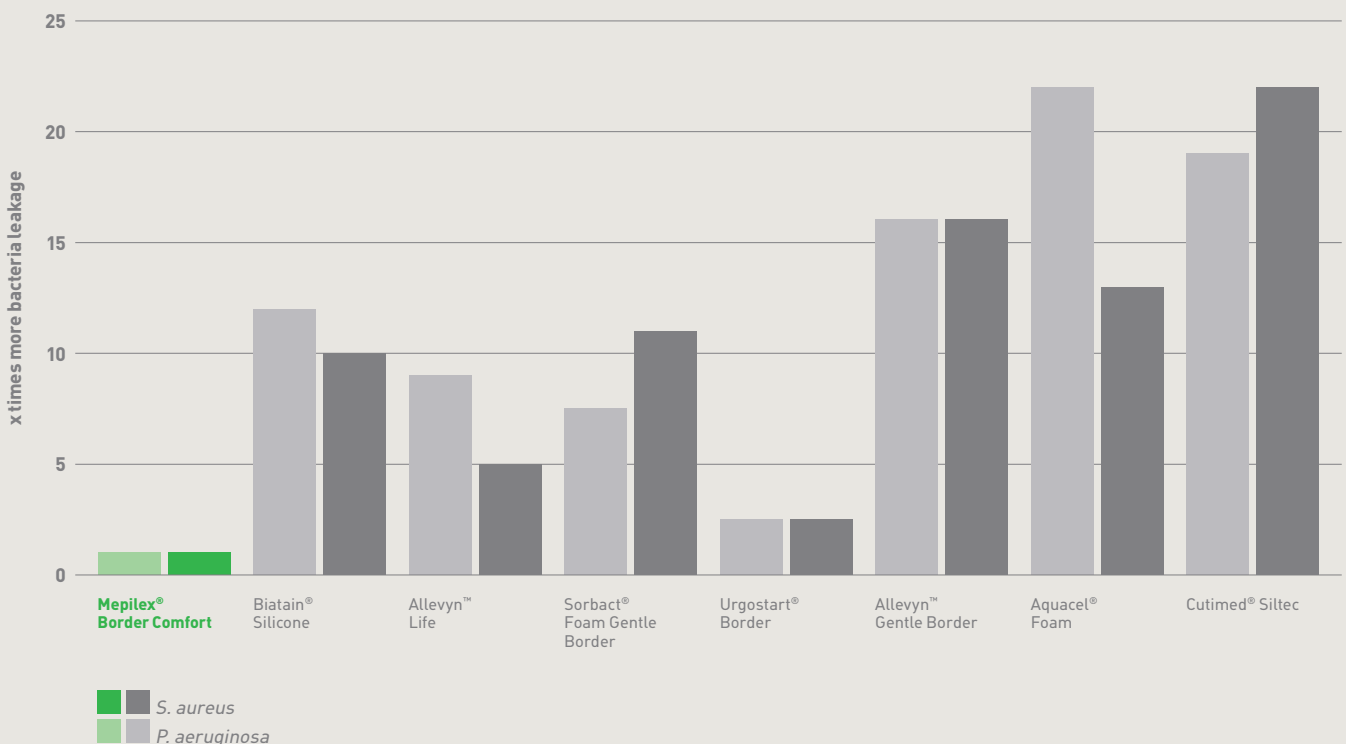
Study design²³:

- Eight dressings were injected with simulated wound fluid (SWF) containing bacteria to a third of total absorption capacity
- The dressings were placed onto a filter and incubated for 1 hour with a 1kg weight on top
- The bacterial leakage for each dressing was measured in colony forming units
- The higher the ratio, the more bacterial leakage compared to Mepilex® Border Comfort

Results:

- Mepilex® Border Comfort released less bacteria than other dressings²⁴

Amount of bacteria released from each dressing vs. Mepilex® Border Comfort (expressed as a ratio)



Track and record exudate

Leaving a wound undisturbed is known to assist healing²⁵. Frequent changes, unscheduled changes and inspection of the exudate in the dressing can take nurse time and resources.

Mepilex® Border Comfort has the Exudate Progress Monitor, allowing exudate to be assessed and recorded without disturbing the wound¹⁶

Study design¹⁶:

- Mepilex® Border Comfort was exposed to medium (0.6ml/h) and high (0.9ml/h) exudate flow rate
- Spread of the exudate was assessed on the Progress Monitor at 7, 23 and 31 hours

Results:

- The dot pattern corresponded to spread and is therefore a reliable way of assessing exudate which could mean¹⁶:
 - Fewer dressing changes
 - Less wound disturbance
 - Reduced nurse time and resources

Exudate Progress Monitor

Leaving wounds undisturbed for longer is proven to help healing²⁷. The Exudate Progress Monitor gives you the clinical confidence to leave the dressing in place for up to 7 days. The dots printed on the semi-transparent backing film track the fluid as it spreads across the dressing's surface¹.



Leave in place

The Exudate Progress Monitor is a grid of equidistant dots that can be used to track and record exudate.

Leave in place

As exudate spreads, you can record a dot count that reflects fluid volume in the dressing.

Leave in place

You can then refer to the recorded dot count to help monitor exudate trends.

Time to change

A dressing change should be considered once the exudate spreads past the zone highlighted in red.

Reduced pain and trauma

Our trusted Safetac® Technology means less pain and trauma to the skin during dressing changes⁵.

Safetac® Technology is preferred by patients, and is associated with reduced pain and trauma during dressing changes⁵

93%

Of patients preferred dressings with Safetac®⁵

Study design⁴:

- 3,000 patients with a range of wounds were included in the survey
- They recorded pain before, during and after removal of their current dressing
- A Safetac® dressing was then applied, and assessed at the next dressing change

Results:

- There was a significant reduction in pain scores with Safetac®⁵
- The proportion of patients reporting 'no trauma' was doubled through use of Safetac®⁵

Cost-effective wound care

Atraumatic dressings and reduced dressing change frequency means less disturbance to the wound bed, providing an optimal healing environment²⁶. This has benefits for the wound, patient, nurse and budgets.

Mepilex[®] Border Comfort facilitated a reduction in dressing change protocol from 3 to 7 days, helping improve healing rates and reduce costs²⁶

6+ Days
Average wear time²⁶



78.2%
Healing rate (re-epithelialisation) within 7 days²⁶



Cost Savings

Study design²⁶:

- A Quality Improvement Project (QIP) was performed at a care centre with 247 beds
- 19 patients with multiple skin tears were included
- Wound condition and the technical performance of the standard foam dressing were assessed during the first day of healing
- Mepilex[®] Border Comfort was then applied and left in place until a dressing change was required or the patient was discharged
- Nurses completed evaluations for the 3 layer foam dressing at the start of the QIP, and for Mepilex[®] Border Comfort 1 month after house-wide implementation

Results:

- Mepilex[®] Border Comfort was found to have²⁶:
 - Better absorption
 - Better border adhesion
 - Better patient comfort
- The use of Mepilex[®] Border Comfort led to a reduction in dressing change protocol from 3 to 7 days²⁶

Incidents of:	Leaking exudate	Macerated periwound	Encrusted skin flap
Mepilex [®] Border Comfort	0	0	0
3 Layer Bordered Foam Dressing (previous dressing)	3	4	4

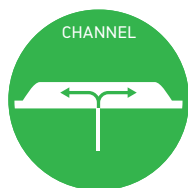
KEY FACTS



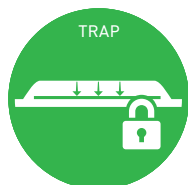
Mepilex® Border Comfort has greater conformability than many other dressings due to unique Flex Technology¹



Mepilex® Border Comfort maximises exudate management, even with viscous exudate, to suit a variety of wound types and healing stages^{3,19}



Mepilex® Border Comfort has a unique spreading layer which channels the exudate away across a wide surface area, increasing the breathability of the dressing²⁰



Mepilex® Border Comfort keeps bacteria trapped, releasing up to 22 times less bacteria than other dressings²⁴



Mepilex® Border Comfort has the Exudate Progress Monitor, allowing exudate to be assessed and recorded without disturbing the wound¹⁶



Mepilex® Border Comfort features Safetac® technology, which reduces pain and trauma and is preferred by patients⁵

References: 1. Mölnlycke Health Care. Mepilex® Border Comfort Product Manual – Conformability PD-528870. Data on file. 2. Mepilex® Border Comfort Instructions for Use. Data on file. 3. Mölnlycke Health Care. Mepilex® Border Comfort – Fluid handling capacity compared to Urgotul Foam Absorb Border, Aquacel Foam, Allevyn Classic Gentle Border, Allevyn Life, Optifoam Gentle, KerrFoam Gentle Border. Report no. PD-527642. Data on file. 4. Independent SMTL report 15/4962/1. 5. White R. A multinational survey of the assessment of pain when removing dressings. Wounds UK 2008;4(1):14–22. 6. Woo KY et al. A randomized crossover investigation of pain at dressing change comparing 2 foam dressings. Adv Wound Care 2009; 22: 304–310. 7. Meaume S et al. A study to compare a new self-adherent soft-silicone dressing with a self-adherent polymer dressing in stage II pressure ulcers. Ostomy Wound Manage 2003; 49(9): 44–51. 8. Mölnlycke Health Care. Mepilex® Border Comfort – Waterproofness. Report no. PD-532095. Data on file. 9. Mölnlycke Health Care. Mepilex® Border Comfort – three-part release liner. Report no. PD-530091. Data on file. 10. Mölnlycke Health Care. Mepilex® Border Comfort – External data – FEM simulations MxB Flex vs Allevyn Life. Report no. PD-529747. Data on file. 11. Mölnlycke Health Care. FEM – Mepilex® Border Comfort vs Optifoam gentle. Report no. PD-534569. Data on file. 12. Mölnlycke Health Care. FEM – Mepilex® Border Comfort vs Aquacel foam. Report no. PD-534571. Data on file. 13. ProDerm study report 16.0180-23. 14. ProDerm study report 16.0180-23. Assessment of Wearing Properties of Wound Dressings on the Elbows. PD-535013. 15. Mölnlycke Health Care. Product Manual – Maintained dressing profile. Report no. 525458. Data on file. 16. Mölnlycke Health Care. Mepilex® Border Comfort – Product Manual – Dot Pattern. Report no. PD-528872. Data on file. 17. Mölnlycke Health Care. Mepilex® Border Comfort – Bacteria encapsulation. Report no. PD-537072. Data on file. 18. Marburger M. et al. In vitro test of eight wound dressings with silicone adhesive: Fluid handling capacity with and without compression. Poster, Wounds UK 2013. 19. Mölnlycke Health Care. Mepilex® Border Comfort – Absorption and dispersion tests on inclined plane, viscous test solution. Report no. PD-528871. Data on file. 20. Mölnlycke Health Care. Mepilex® Border Comfort – Spreading layer spreads exudate evenly across the surface. Report no. PD-528874. Data on file. 21. Karlsson C et al. A quantitative method for determination of bacterial trapping effect in wound dressings. Poster. EWMA, Krakow 2018. 22. Mölnlycke Health Care. Cutimed. Report no. PD-551237. Data on file. 23. Health Care. Product Manual Mepilex® Border Comfort – Viral penetration. Report no. PD-535090. Data on file. 24. Karlsson C et al. Bacterial trapping of a newly developed all-in-one soft silicone foam dressing. Poster. EWMA, Krakow 2018. 25. Davis S et al. A closer examination of atraumatic dressings for optimal healing. Int Wound J. 2015; 12(5):510–6. 26. Nelson D. Better Outcomes for Skin Tears with New 5 Layer Bordered Foam Dressings. Poster Presentation at WOCN Annual Meeting, Philadelphia, PA, 2018. 27. Rippon, M., Davies, P., White, R., Taking the trauma out of wound care: the importance of undisturbed healing. Journal of Wound Care 2012; 21 (8): 359–368.

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