



Mölnlycke® Pressure Injury Management Dressings



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Pressure injuries (PIs) - a global problem

The hospital environment is a major contributor to the problem

At any given time, **1 in every 8 patients** suffer from largely preventable hospital-acquired pressure injuries¹.

Every year, pressure injuries affect millions of patients. They are painful, distressing, and costly, yet the majority are preventable with the right strategies.



12.8%

of all adult hospital patients develop a pressure injury¹



8.4%

of all hospital patients acquire a pressure injury during their stay¹.

2.5m

Approx. 2.5 million patients annually suffer from PIs in acute care US facilities, with one of the highest reported, age-standardised prevalence of PI rates globally^{2,3}. High prevalence is also seen in ICUs across the Middle East and Africa.



Devastating consequences of pressure injuries



“That pressure ulcer cost me one and a half years of my life. You cannot say it was impossible to prevent. It is possible to prevent.”

José,
Hospital-acquired pressure ulcer patient



Hospital days

An average increase of 5-8 days in hospital stay^{4,5}.



People's lives

PIs increase mortality by 4.5× and can lead to serious complications like sepsis and osteomyelitis^{4,5}.



Financial drain

One PI costs US\$10,708 to treat on average in the US².



Human toll

PI's spell intense pain, emotional trauma and loss of independence for patients. While, for healthcare professionals (HCPs), they cause distress, heavier workloads and burnout⁶.



Identifying the patients most at risk

The Braden Scale highlights patients with scores that indicate an increased risk of developing a PI and need a prevention plan.

Any patient with a score of **18 or less** is considered to be at risk⁷.

Typically, they include:



Older adults



Fractured hip patients



Acutely ill & those in critical care



Diabetes mellitus patients



Trauma and/or prolonged surgery patients



Long-term care home or community care residents



Spinal cord injuries & chronic neurological conditions

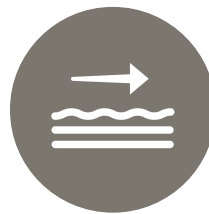
How pressure injuries happen

Pressure injuries involve more than a breakdown of skin. It's due to intense and sustained forces leading to deep tissue deformation. This cuts off blood supply and causes rapid cell death⁸.

There are four factors that all lead to the primary mechanism of injury⁸:



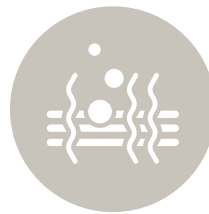
Pressure



Friction



Shear



Microclimate

What prevention looks like

A bundled approach



International guidelines have introduced a bundled approach, recommending the use of prophylactic dressings for high-risk patients^{9,10}.



The Mechanisms of Action (MOA) of prophylactic dressings

Prophylactic dressings help prevent pressure injuries by addressing four extrinsic factors:

Functional property	Without dressing	With Mepilex® multi-layer foam dressing with Safetac®
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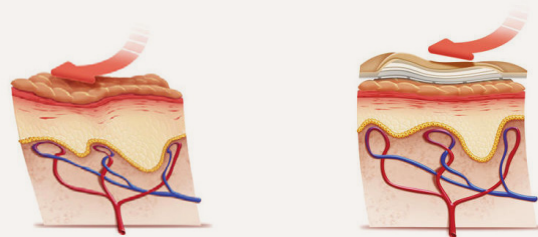
Pressure redistribution:

Dressings redistribute pressure away from bony prominences and vulnerable areas to surrounding tissues. Multi-layer foam dressings with a structured design reduce tissue deformation and the concentration of stress on a single point.



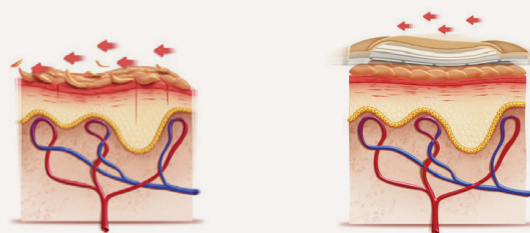
Shear force absorption:

Prophylactic dressings absorb and redistribute shear forces that occur when a person is repositioned or sliding down in bed. The layered design and material properties will dictate the ability to mitigate shear stresses.



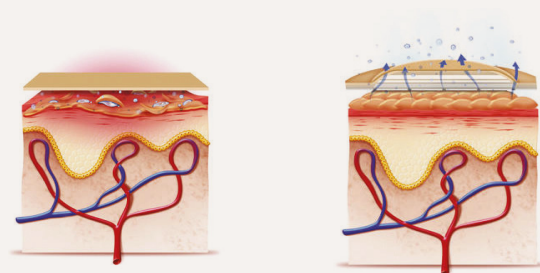
Friction reduction:

The outermost layer of dressings, designed to be smooth and low-friction, minimises resistance between the skin and surfaces (e.g., bedding, clothing). A low friction will minimise the drag, shear forces, in the skin.



Microclimate management:

Dressings manage microclimates by controlling and removing moisture from the skin-dressing interface. Layers absorb and wick away excess moisture (from sweat or incontinence) to avoid an increase in humidity.



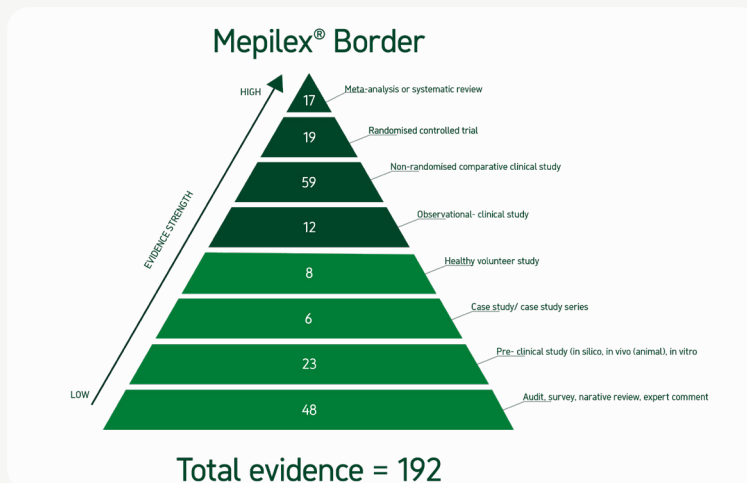
Dressing choice matters

Not all foam dressings are created equally



Mepilex® Border range: supported by 192 pieces of clinical evidence

Since 2010, Mölnlycke has been the industry leader in generating evidence for the prophylactic use of dressings with the Mepilex® Border range:



Mölnlycke has the highest level of proof, more than all competitors combined, including:

19 Randomised Controlled Trials (RCTs) and
17 meta-analyses or systematic reviews.



This commitment to high-quality research means that Mepilex® Border dressings have more high-level evidence demonstrating their effectiveness in preventing pressure injuries than all key competitor* multi-layer foam dressings combined¹¹.

(*Competitors: Allevyn Life/Gentle Border, Aquacel/Optifoam/ Biatain Silicone Foam Dressings)

Mepilex® Border Sacrum & Mepilex® Border Heel:

Designed to protect, proven at every layer



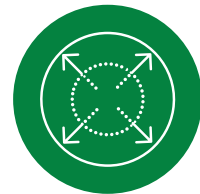
Deep Defense®
technology



Unique structural
integrity

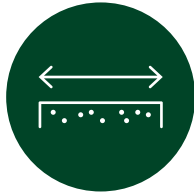


Superior
conformability



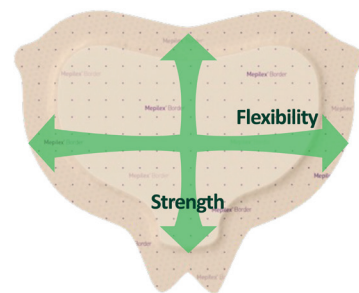
Wider surface
area of protection

1. The proprietary Deep Defense® technology



Unique biomechanical protection

This **patent** proprietary technology provides strength in the patient's sliding direction and flexibility in the lateral direction. This offers protection against shear without compromising conformability¹².



Mepilex® Border Sacrum

Some dressings are stiff in all directions¹²

May lead to lack of conformability and over-constraining soft tissues



Allevyn® Life Sacrum



Optifoam® Gentle Sacrum

Some dressing are flexible in all directions¹²

May not protect against tissue deformation



Convafoam® Sacrum

2. Unique structural integrity



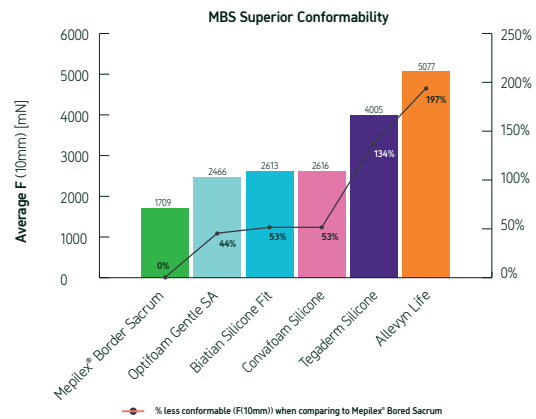
While other dressings degrade over time, Mepilex® Border Sacrum maintains its integrity. It offers the highest strength at application and, after **7 days of simulated wear**, has been shown to be as strong as the nearest competitor's dressing on Day 1.^{13*}

3. Superior conformability



Mepilex® Border Sacrum & Mepilex® Border Heel is up to

197% more conformable than other bordered foams**, maintaining consistent contact with skin and supporting patient comfort^{14,15}.



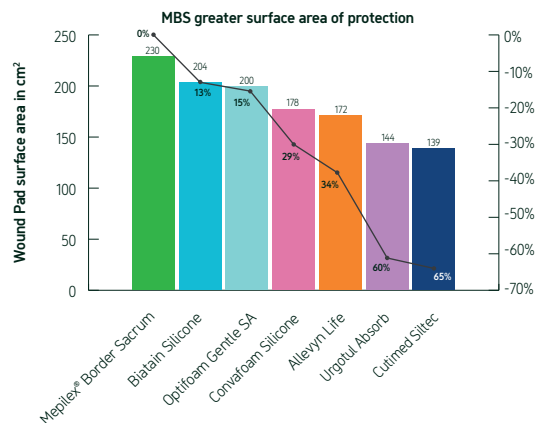
4. Wider surface area of protection



Mepilex® Border Sacrum provides up to

65% more wound pad coverage¹⁶

than competing sacral dressings***. This larger surface area is designed to maximise both the area of protection against pressure injuries and the capacity for exudate absorption during treatment¹⁶.



*Compared to: Optifoam Gentle SA (Medline), Allewyn Life (Smith & Nephew), Aquacel Foram Pro (Convatec). **Comparison is focused solely on the large size for Mepilex Border Sacrum and the equivalent large sacrum dressings from competition.***Other dressings tested and compared with were Allewyn™ Life Sacrum (Smith&Nephew), Optifoam Gentle SA Sacrum (Medline), Urgotul Absorb Sacrum (Urgo), Convafoam Silicone Sacrum (Convatec), Cutimed Siltec Sacrum (Essity), and Biaitan Silicone Sacral (Coloplast)

Evidence highlights less device deficiencies and adverse effects

Mepilex[®] Border Sacrum & Mepilex[®] Border Heel

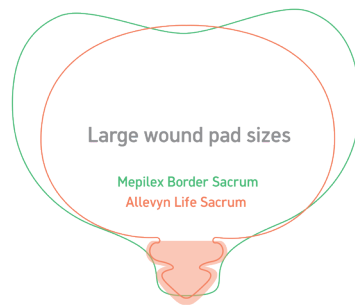
In a large multicentre randomised controlled trial conducted by the Belgian Health Care Knowledge Centre (KCE), Mepilex[®] Border dressings demonstrated:



Over 50%
fewer device deficiencies¹⁷.



Nearly half
the rate of adverse device effects compared to Allevyn[™] Life dressings¹⁷.



Issues like rolling edges, poor adhesion, and layer separation were significantly more frequent with Allevyn Life highlighting the superior reliability and patient safety offered by Mepilex[®] Border.



The first principle of healing is to prevent further injury. An effective treatment dressing must therefore be a superior protective dressing¹⁸.

Healing starts with preventing further injury

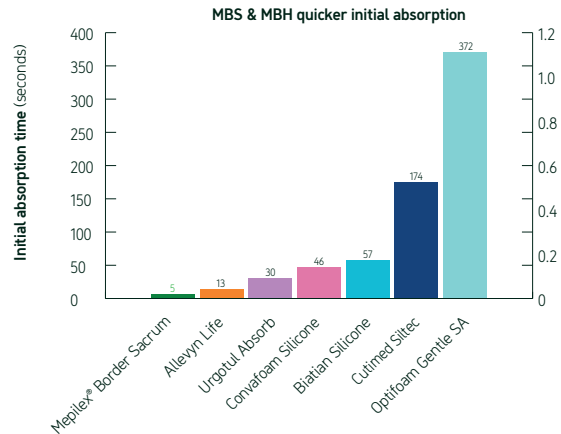
Mepilex® Border Sacrum and Mepilex® Border Heel.



Optimised moisture management for effective recovery. Up to

74X faster

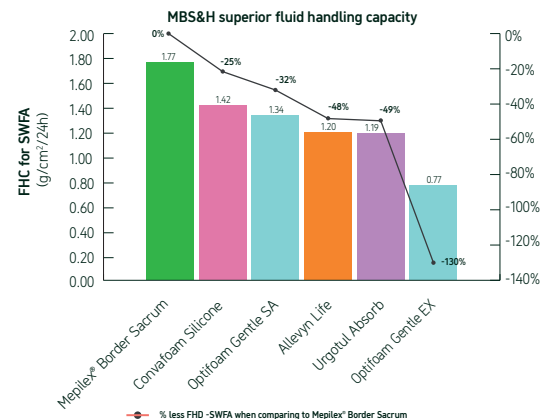
initial absorption than other boarded foams, reducing the risk of maceration and exudate pooling^{19**}.



Advanced exudate handling. Undisturbed healing. Up to

130% higher fluid* handling capacity

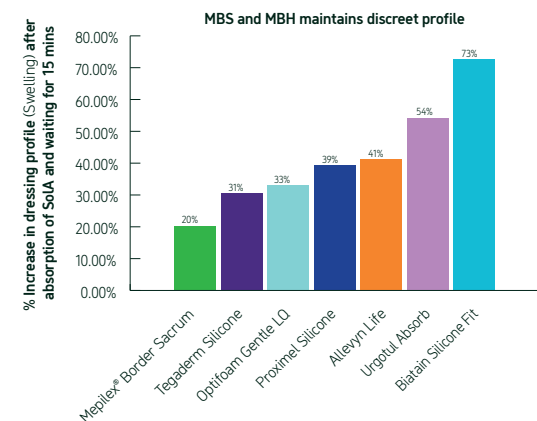
than other leading foam dressings, supporting a potential longer wearing time^{20***}.



Confidence in coverage. Confidence in care. Up to

3.6X lower

swelling after absorption compared to other bordered foams, reducing the risk of early detachment^{21****}.



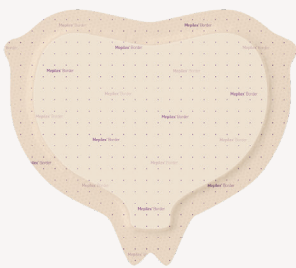
* Tested using a simulated fluid that mimics chronic wound exudate (SWF A). Data on file. ** Compared to: Optifoam Gentle LQ, Optifoam Gentle SA (Medline), Biatain Silicone, Biatain Silicone Fit (Coloplast), Allevyn Gentle Border, Allevyn Life (Smith & Nephew), Aquacel Foam Pro (Convatec). *** Other dressings tested were: Allevyn™ Gentle Border and Allevyn™ Life (Smith & Nephew), Optifoam Gentle LQ, Optifoam Gentle EX and Optifoam Gentle SA (Medline), Aquacel Foam Pro (Convatec). **** Compared to: Optifoam Gentle LQ, Optifoam Gentle EX, Optifoam Gentle SA (Medline), Biatain Silicone, Biatain Silicone Fit (Coloplast), Allevyn Life (Smith & Nephew), Aquacel Foam Pro (Convatec).

Exudate Progress Monitor

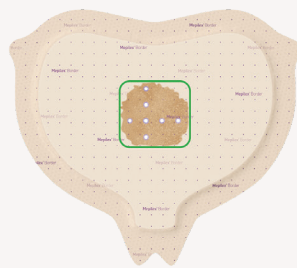


Tracks exudate without dressing removal – the Exudate Progress Monitor allows for objective assessment of exudate spread without disturbing the wound^{22,23}.

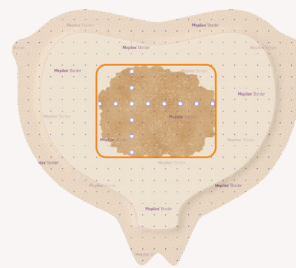
How the Exudate Progress Monitor works:



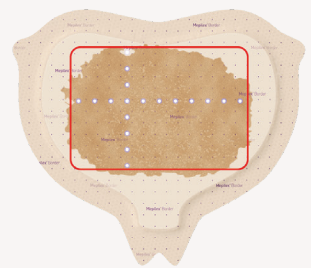
The Exudate Progress Monitor is a grid of equidistant dots.



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



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



Consider dressing change when exudate is approaching the borders of the dressing.*



When used for treatment of deep tissue injuries,

90.6%²⁴

of suspected deep tissue injuries (DTI) were prevented from deterioration.



* Wound inspection and dressing change frequencies are driven by clinical decision and should be at the discretion of the treating clinician

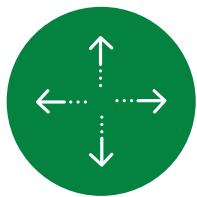
Mepilex® Border Flex:

The solution for all other at-risk areas

This dressing is designed to manage multidirectional forces and is powered by Flex Technology™. It provides an indispensable tool for other anatomical sites.



How it works



It features unique **Y-shaped cuts** in the retention and spreading layers, allowing the dressing to stretch and conform in every direction – just like skin.



360-degree flexibility allows **Mepilex® Border Flex** to move with the patient, minimising skin stress, boosting comfort and keeping it securely in place on the most challenging parts of the body.

Evidence

Mepilex® Border Flex:

Resulted in a

63.2%

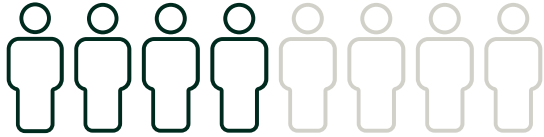
reduction in pressure injuries on the forehead and chin²⁵

Can reduce high stress by up to

80%

in soft tissue over the iliac crest during prone positioning (a common, high-risk surgical position)²⁶

Mepilex® Lite



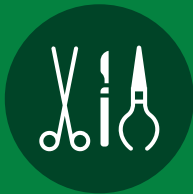
MDRPis are the third most common PIs affecting up to 1 in every 4 ICU patients²⁷



reddot winner 2022
innovative product*

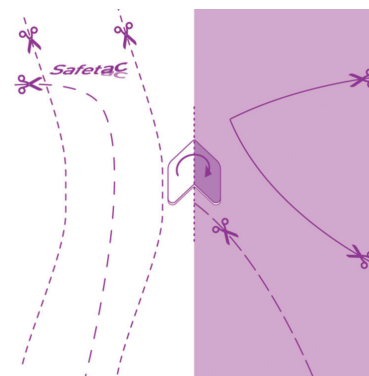
*Statement of jury: Mepilex Lite is a resource-saving and intuitive-to-use solution for providing tailored protective dressings in everyday hospital and nursing care settings

The 2025 International Guidelines recommend the use of prophylactic dressings beneath a medical device to reduce the risk of medical device-related pressure injuries⁹.



When implementing this, the guideline advises selecting a dressing that:

- ✓ Is thin and conformable.
- ✓ Can be cut to size to fit the area without adding excessive bulk.
- ✓ Permits adequate heat and moisture release to prevent skin maceration and irritation.
- ✓ Is appropriate for neonates to reduce the risk of medical adhesive-related skin injury (MARSII)⁹.



New Mepilex® Lite design



The outcome



In one US level 2 trauma hospital, using Mölnlycke products as part of a hospital-wide quality improvement program, hospital-acquired pressure injuries (HAPI) rates were shown to decrease by

90%²⁸



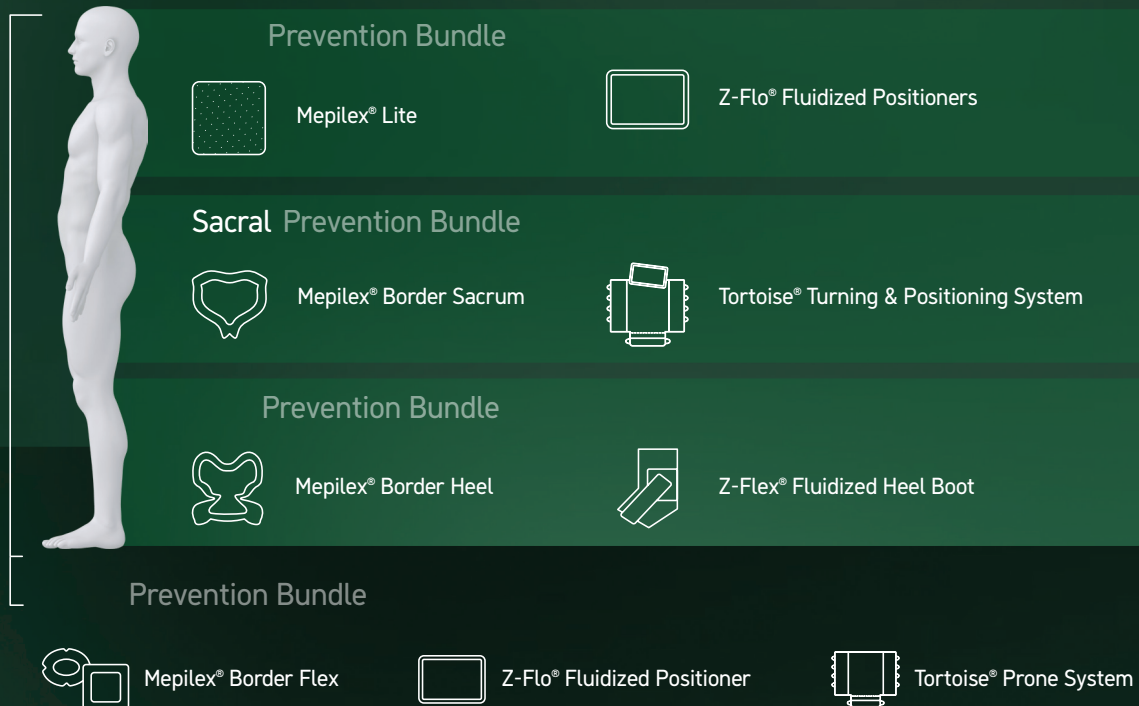
The results from using the Mölnlycke's Pressure Injury Prevention bundle saw an incidence of 206 HAPIs in 2018 reduce by 61.2% to 26 in 2020.

This resulted in a total cost saving of

US\$3.09m

over two years²⁸.

Total Protection, Head to Heel™



Partner with Mölnlycke for an Evidence-Based Prevention Strategy



Choose the portfolio with more high-level prevention evidence than all key competitors combined.



Implement the solutions recommended by international authorities.



Deliver proven clinical and financial outcomes.



“Let’s build your customised pressure injury prevention program.”



Total Protection™
by Mölnlycke®

Mepilex® Border Sacrum Dressing

Product code	Size	Pcs/box	Pcs/case	HCPCS
282055	6.3" x 7.9" (16 x 20 cm)	10	50	A6212
282455	8.7" x 9.8" (22 x 25 cm)	10	40	A6213

Mepilex® Border Heel Dressing

Product code	Size	Pcs/box	Pcs/case	HCPCS
282790	8.7" x 9.1" (22 x 23 cm)	10	10	A6210



www.molnlycke.com

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