

Pressure ulcers

Prevention is the cure...

Prevention protocols could help to reduce the human and economic cost of pressure ulcers

Prevention is the cure...

In a prevalence study of 25 European hospitals across 5 countries, **18.1%** of in-patients had a grade 1-4 pressure ulcer, with **10.5%** having a grade 2-4 pressure ulcer.¹

Estimated annual cost to the UK NHS of caring for patients with a pressure ulcer (2005-06 prices)

£1.7 - £2.6 billion

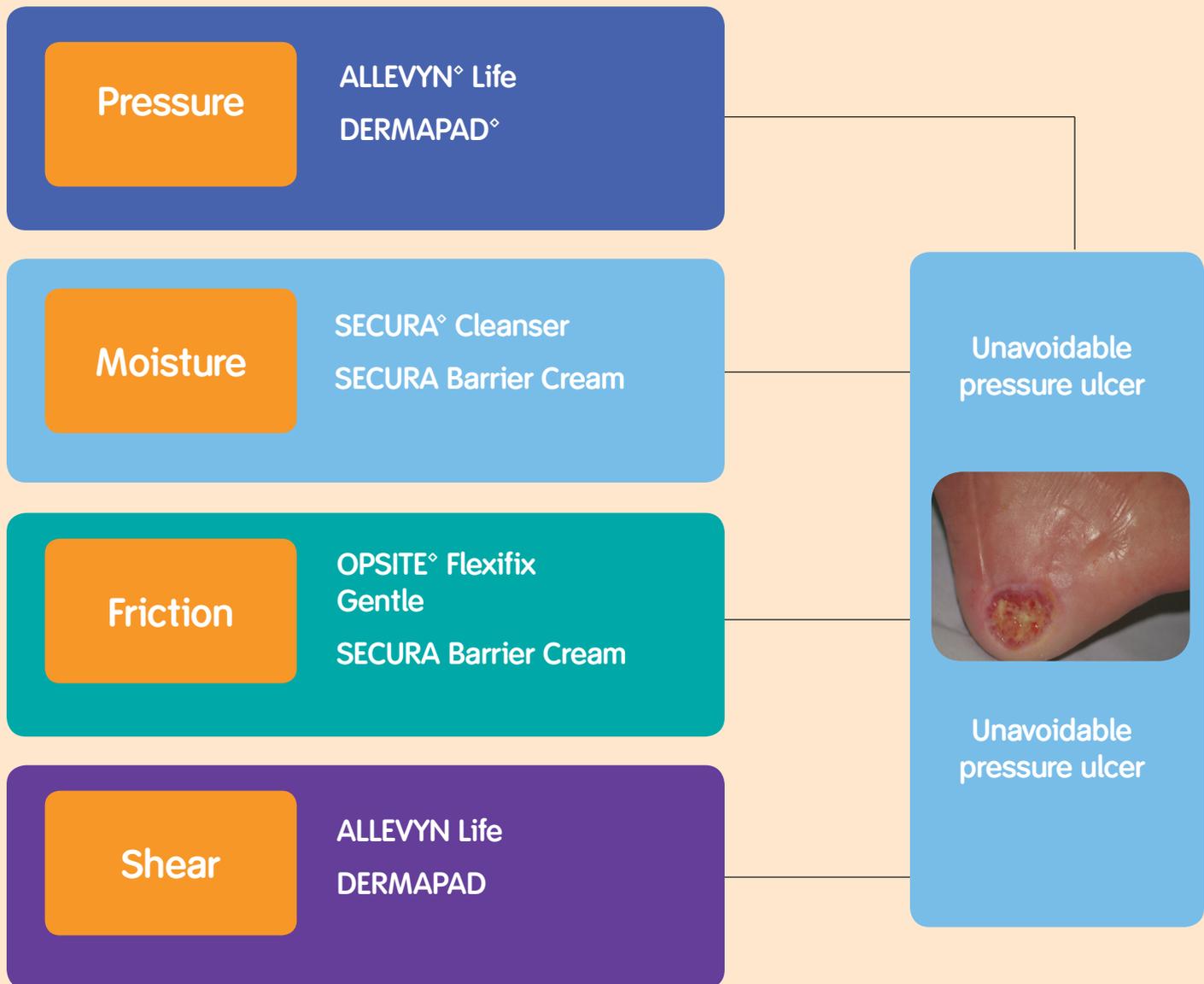
at a cost of £4,300 - £6,400 per patient²

In a UK community care home environment, **every £1 spent on community-based tissue viability woundcare services to reduce pressure ulcers, generated £51.56 in return³.**

The use of **comprehensive prevention protocols significantly reduced the incidence of pressure ulcers.** Standardising care with targeted interventions based on level of risk was more cost-effective over the 5-month period.⁴

...and could help reduce the human and economic cost of pressure ulcers

Smith & Nephew offer a comprehensive range of effective products for the prevention of pressure ulcers when used as part of a **pressure ulcer prevention protocol**.



Smith & Nephew - your pressure ulcer prevention partner

SECURA[◊] is your first line of defence

Managing the moisture micro-climate

Dry, moist, undernourished and fragile aged skin is generally more at risk of pressure damage than nourished, hydrated skin⁵

SECURA cleanser effectively cleans the skin without the need for rinsing. It may be used as a total body cleanser including the perineum and hair. It is ideal for incontinent patients as its **gentle formula is kind to the skin**.

- Contains aloe and glycerine which help to moisturise and condition the skin⁶.
- On application it creates a protective film over the skin⁷ which helps to protect against moisture loss which may lead to skin breakdown.
- Specially formulated to clean sensitive skin areas and is pH balanced to help protect the skin's natural acid mantle⁸.
- It helps to reduce odour⁹ and has a fresh, clean smell helping to improve the quality of life for incontinent patients by leaving them and their rooms smelling fresh between cleansings.
- Convenient and cost effective format¹⁰.

Cleanse



Protect



SECURA[®] Barrier Cream D contains 5% dimethicone and emollients¹¹, which when applied to the skin provides a **breathable, transparent, non-greasy, protective barrier layer** that helps to protect the skin against maceration.

- Maintains skin integrity by protecting the skin from exposure to faeces, urine and bodily fluids¹¹
- Helps prevent and temporarily protects chafed, chapped, cracked or wind burned skin and lips¹²
- Non-greasy, will not wash away
- Absorbs quickly
- Does not clog briefs or adversely affect the absorbency of incontinence pads¹¹
- Transparent application allows for visual skin inspection without removal
- Paediatrician tested: safe for use in children and full term infants 0-36 months of age¹³
- Fragrance and lanolin free¹¹
- Helps to moisturise dry skin¹¹

ALLEVYN[®] Life - distributes the pressure

The application of multi-layered dressings to enhance pressure ulcer prevention is recommended by an international consensus group¹⁴.

The multi-layered design of ALLEVYN Life enables the dressing to **redistribute pressure**

ALLEVYN Life can be used in accordance with a comprehensive pressure ulcer prevention plan to help prevent pressure ulcers^{15,16}.

- ✓ **Gentle on the skin**^{17,18,19}
- ✓ **Easy to apply and remove**¹⁹
- ✓ **Can be repositioned without loss of adherence**^{18,19}
- ✓ **Contributes to a pressure ulcer prevention program**²⁰



In a recent study of ALLEVYN Life for pressure ulcer prevention at a hospital in the Western US:¹⁷

100% of patients were free from pressure injury

Average dressing wear time = 4 days

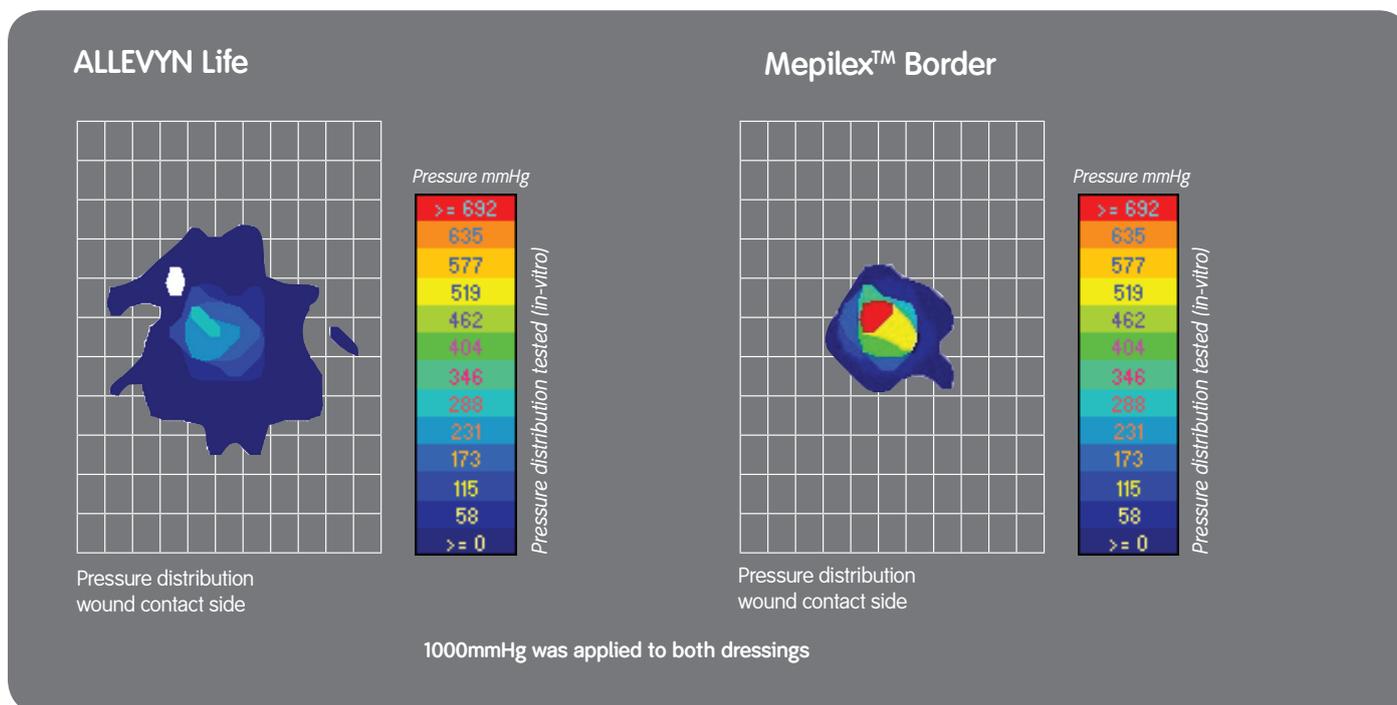
24-bed med/surg/neuro ICU

Average Braden score = 12.3

22 evaluations

Pressure distribution comparison study²¹ (in-vitro)

Pressure transferred through dressings when pressure was applied to the dressing surface using a probe.



New ALLEVYN® Life effectively redistributes pressure across the coverage area helping to reduce concentrated pressure points (in-vitro)

Now available.....



ALLEVYN Life Heel has a unique design that provides coverage to the malleolus without the need for secondary retention



ALLEVYN Life Sacrum with its unique tail is designed specifically for wounds in the sacral area to fit around the cleft, helping to overcome common problems such as the dressing tenting

DERMAPAD^{◇*} - Designed to help prevent pressure ulcers

DERMAPAD is a polymer gel pad that helps to redistribute pressure to reduce the risk of pressure related tissue damage in critical areas²². It is typically used on bony areas to help prevent skin damage from pressure as part of a care plan. DERMAPAD has been shown to contribute to a **75%** drop in the number of pressure ulcers²³.

DERMAPAD can be used on:

- Early signs of pressure damage
- Under devices to prevent damage
- Recently healed pressure ulcers
- Areas at risk of damage

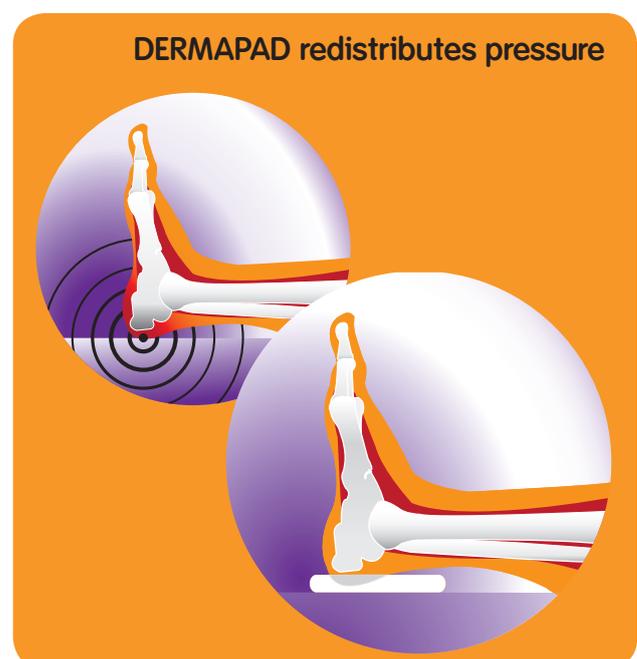


How it works

High pressure points can disrupt the flow of blood and the supply of oxygen which can cause damage to the skin.

DERMAPAD works by helping to redistribute pressure over a large area to reduce the peak pressure at any one point (usually a bony area like the heel or the sacrum). Instead, the force is spread over a larger area, reducing the average pressure on the skin.

DERMAPAD reduces peak pressure by up to 89% (*in-vitro*)²².



*DERMAPAD is branded as ADERMA[®] in the UK

OPSITE[◇] Flexifix Gentle - Low friction film, gentle on the skin

OPSITE Flexifix Gentle

combines breathability²⁴ transparency and a seven day wear time^{25,26} to offer a versatile silicone roll film which can help protect the skin from the formation of pressure ulcers.

- Low friction film²⁴ can help in protecting the skin from the formation of pressure ulcers
- Conformable and extensible²⁴
- Minimises pain on removal^{25,27}
- Easy to apply – can be lifted and repositioned without losing adherent properties²⁵
- Transparent film³² allows regular inspection without the need for removal
- Showerproof^{26,29,30,31}
- Ability to cut to required size³²

OPSITE Flexifix Gentle Case Study³³

The case study involved a sedated and ventilated patient with an oral endotracheal device in place. OPSITE Flexifix Gentle was placed under the endotracheal tube ties, which are firmly secured to prevent accidental removal of the endotracheal tube. The endotracheal tube was removed 48 hours after application of the product. The product did not need replacement in this period, but was successfully repositioned when the endotracheal tube was retied as part of daily nursing care. No evidence of friction trauma or pressure damage was noted following removal. The cost of application was approximately £0.19.



References

1. Vanderwee *et al.* 2007. *J Eval Clin Pract* 13(2): 227-35
2. Posnett & Franks. *Skin Breakdown: The Silent Epidemic.* 2007
3. Dowsett, Shorney. *Health Service Journal.* Nov 2010
4. Lyder C H, Shannon R, Empleo-Frazier O, McGehee D, White C. A comprehensive program to prevent pressure ulcers in long-term care: exploring costs and outcomes. *Ostomy/Wound Management* 2002; 48(4): 52-62

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5. Wilson M (2011) How to...Top ten tips:preventing pressure ulcers. *Wounds International* 2(3).
6. SECURA Cleanser formulation F522.
7. CTFA Cosmetic Ingredient Handbook, Second Edition, Aloe Vera Gel, pp:143.
8. Smith & Nephew Stability Data, SNN 0150501500& 0210034.
9. R. Saute, The Evils of Soap and Water vs Medically Designed Cleansers. *Wound and Skin Care*, Vol. 2, December 1991. pp: 1,3 & 105.
10. Byers *et al.* Continence Care: Effects of Incontinence Care Cleansing Regimens on Skin Integrity. *JWOCN*, July 1995. Vol. 22, Number 4, pp: 187 191
11. Triple Care D Formulation (Swiss American Products).
12. USA FDA 21 CFR Part 347 - Skin Protectant Drug Products for Over the Counter Human Use (Final Monograph, 06/2003)
13. Study HTR 07-128386-111: An Evaluation of Health Care Products on Children 0 - 36months of Age with Normal Skin 11/2007

ALLEVYN° Life

14. Consensus statement: Global evidence based practice recommendations for the use of wound dressings to augment pressure ulcer prevention protocols. August 2012.
15. Clarke B. Positive patient outcomes: The use of a new silicone adhesive hydrocellular foam dressing* for pressure ulcer prevention and treatment. *WOCN* 2013
16. Coggins T *et al.* Using a hydrocellular foam dressing with silicone adhesive* as part of a comprehensive pressure ulcer prevention plan: Results from five US hospital ICUs. *SAWC* Spring 2012.
17. Lisco C. Evaluation of a new silicone gel-adhesive hydrocellular foam dressing as part of a pressure ulcer prevention plan for ICU patients. *WOCN* 2013.
18. Hurd T *et al.*: A multicentre in-market evaluation of ALLEVYN Gentle Border. *Wounds UK*, 2009, Vol 5, No 3.
19. Smith & Nephew Data on File OR DOF 036 - A prospective, non-comparative evaluation of ALLEVYN Life dressings in the treatment of exuding wounds.
20. Smith & Nephew Data on File DS/12/185/DOF Impact protection properties of ALLEVYN Life, Mepilex™ Border and Biatain™ Silicone
21. Smith & Nephew data on file report DS/12/125/DOF. Impact protection properties of ALLEVYN Life and Mepilex Border. Roberts S; June 2012.

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22. Smith & Nephew report CCA2109/R2b (*in-vitro*), 2012.
23. Leonard S, Ormond K, An evaluation of a shaped dermal pad and their influences on pressure ulcers in an acute foundation trust, 2008, poster presentation, *Wounds UK* conference Harrogate.

OPSITE° Flexifix Gentle

24. Analytical Report, DS.12.184.R – comparative Product Testing Flexifix Gentle, 19/07/12, Daubney, L. (*in-vitro*).
25. VT Study Data of File (on ALLEVYN Gentle Border) HVT050 04/12/08.
26. Data on File Report Reference OR-DOF/017, An open, prospective, randomised, comparative study to compare the performance of ALLEVYN Gentle Border Multisite with an alternative silicone adhesive dressing, Palmer S and Mistry C; June 2011.
27. Hurd. T *et al.*, A multicentre in-market evaluation of ALLEVYN Gentle Border. *Wounds UK*, 2009, Vol 5, No 3.
28. Smith & Nephew Wound Management, Data on File Report Reference OR DOF/011, Results from a Multi-centre, Noncomparative Clinical In Market Evaluation of ALLEVYN Gentle Border dressing (CIME/008) and from open, prospective, randomised, within volunteer (VTR/HVT 050) comparison of Dakota and Mepilex Border in terms of showerproof and use on awkward areas. Hussein D; August 2010.
29. Rubio, P A (1991) - Use of semi-occlusive, transparent film dressing for surgical wound protection: experience in 3,637 cases. *Int. Surg.* 76, 253-254. (OPSITE).
30. Internal data on file. Reference HVT031 – A double blind, randomised, prospective, within volunteer comparison of Flexifix with EBO additive and corona treatment, Flexifix with EBO additive without coronatreatment and the standard Flexifix product
31. DS/12/199/R, Project Lascaux Comparative Waterproof Testing dated July 2012. (*in-vitro*).
32. W11429/R9 Usability Study of Flexifix Gentle in comparison to Flexifix Technical Study Report, 21/09/2012, E Cole.
33. Downie, F and Gannon, R (2013) - OPSITE Flexifix Gentle: preventing skin breakdown in vulnerable skin. *British Journal of Nursing*, Vol 22, No 12

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Ordering information

SECURA°

S&N Code	Product	Size	Quantity
66800986	SECURA Barrier Cream D	28g tube	1 tube per carton
66800983	SECURA Barrier Cream D	92g tube	1 tube per carton
59446825	SECURA Cleanser	236ml bottle	12 per case
66800987	SECURA Cleanser	118ml bottle	24 per case

ALLEVYN° Life

S&N Code	Product	Size	Quantity
66801304	ALLEVYN Life Heel	25cmx25.2cm	5
66801306	ALLEVYN Life Sacrum	17.2cmx17.5cm	10
66801307	ALLEVYN Life Sacrum	21.6cmx23cm	10

DERMAPAD°*

S&N Code	Product	Size	Quantity
66801315	DERMAPAD Sheet	10cm x 10cm x 0.3cm	5
66801316	DERMAPAD Sheet	10cm x 10cm x 1.2cm	5
66801317	DERMAPAD Sheet	20cm x 20cm x 0.3cm	2
66801318	DERMAPAD Sheet	20cm x 20cm x 1.2cm	2
66801323	DERMAPAD Strip	50cm x 2.5cm x 0.3cm	5
66801324	DERMAPAD Strip	30cm x 5cm x 0.3cm	5
66801319	DERMAPAD Heel standard		2
66801321	DERMAPAD Heel Standard		30
66801320	DERMAPAD Heel large		2
66801322	DERMAPAD Sacrum/Ankle wrap		1

OPSITE° Flexifix Gentle

S&N Code	Product	Size	Carton Quantity
66801195	OPSITE Flexifix Gentle	2.5cm x 5m	1
66801196	OPSITE Flexifix Gentle	5cm x 5m	1
66801197	OPSITE Flexifix Gentle	10cm x 5m	1

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Pressure

ALLEVYN[®] Life
DERMAPAD[®]



Moisture

SECURA[®] Cleanser
SECURA Barrier Cream



Friction

OPSITE[®] Flexifix
Gentle
SECURA Barrier Cream



Shear

ALLEVYN Life
DERMAPAD



For patients. For budgets. For today. [◊]

Wound Management
Smith & Nephew
Medical Ltd
101 Hessle Road
Hull HU3 2BN
UK

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T +44 (0)1482 225181
F +44 (0)1482 328326