

Demand high-level expertise.

3M™ Kerramax Care™
Super-Absorbent Dressings.



Clinicians are right to demand more from a super-absorbent dressing.

Highly exuding wounds are demanding for both clinician and patient: excess fluid can make achieving an optimum moisture balance difficult, leakage is uncomfortable and can lead to maceration and the constituents of wound fluid, including bacteria and matrix metalloproteinases (MMPs), can be an impediment to wound healing.

3M™ Kerramax Care™ Super-Absorbent Dressings with advanced 3M™ Exu-Safe™ Technology, unique lateral wicking system and ability to sequester bacteria^{1,2*} and MMPs,^{3*} are ready to meet these demands helping to transform patient outcomes.

3M™ Kerramax Care™ Dressings: **3 demands clinicians can confidently make.**

Demand



Effective sequestration and retention of bacteria and MMPs

Demand



High absorption and protection for patients

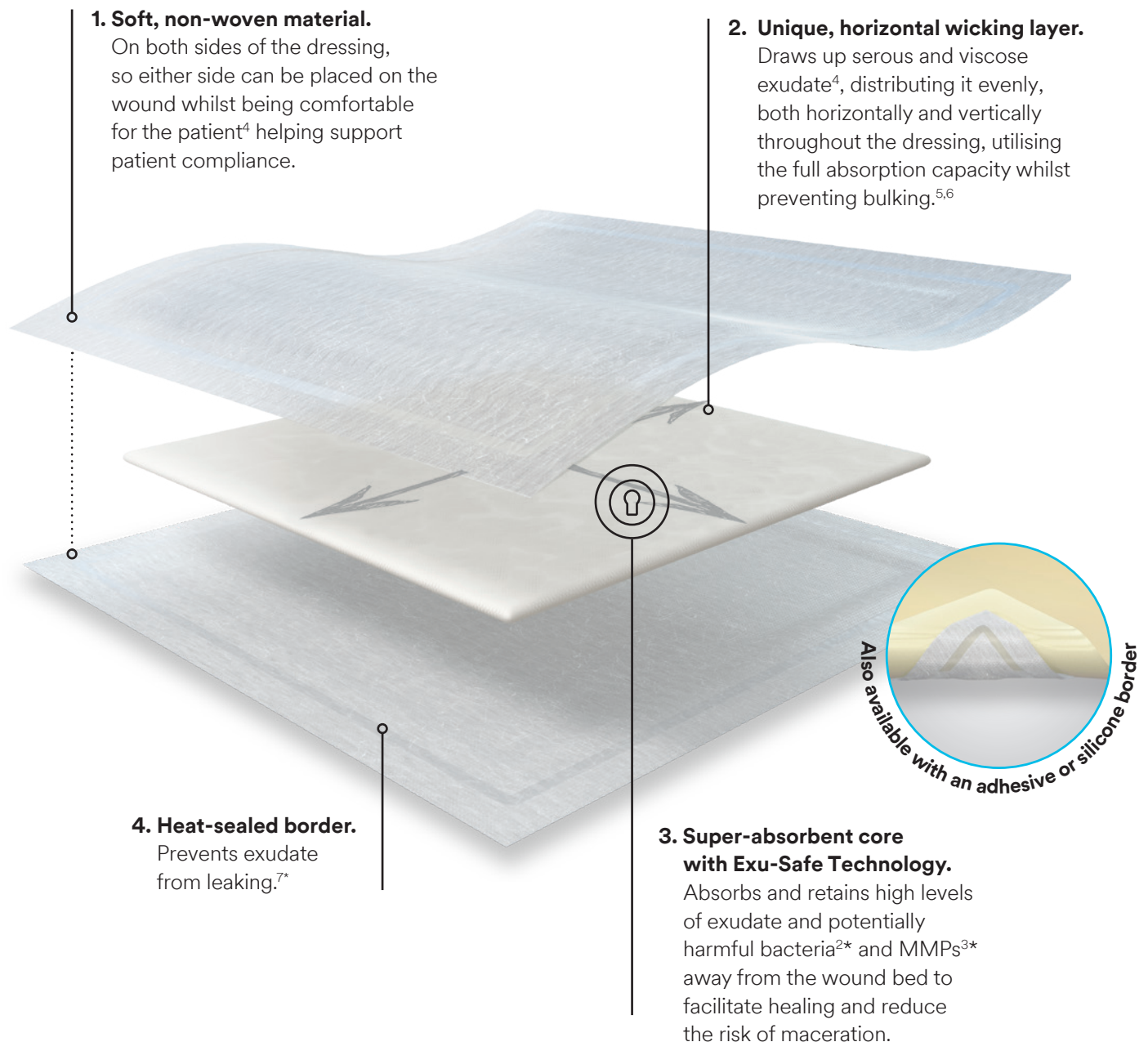
Demand



Dressings that support patient comfort



3M™ Kerramax Care™ Dressings



Indications

3M™ Kerramax Care™ Dressing is indicated for moderately to highly exuding:

- ▶ Pressure ulcers
- ▶ Leg ulcers
- ▶ Diabetic foot ulcers



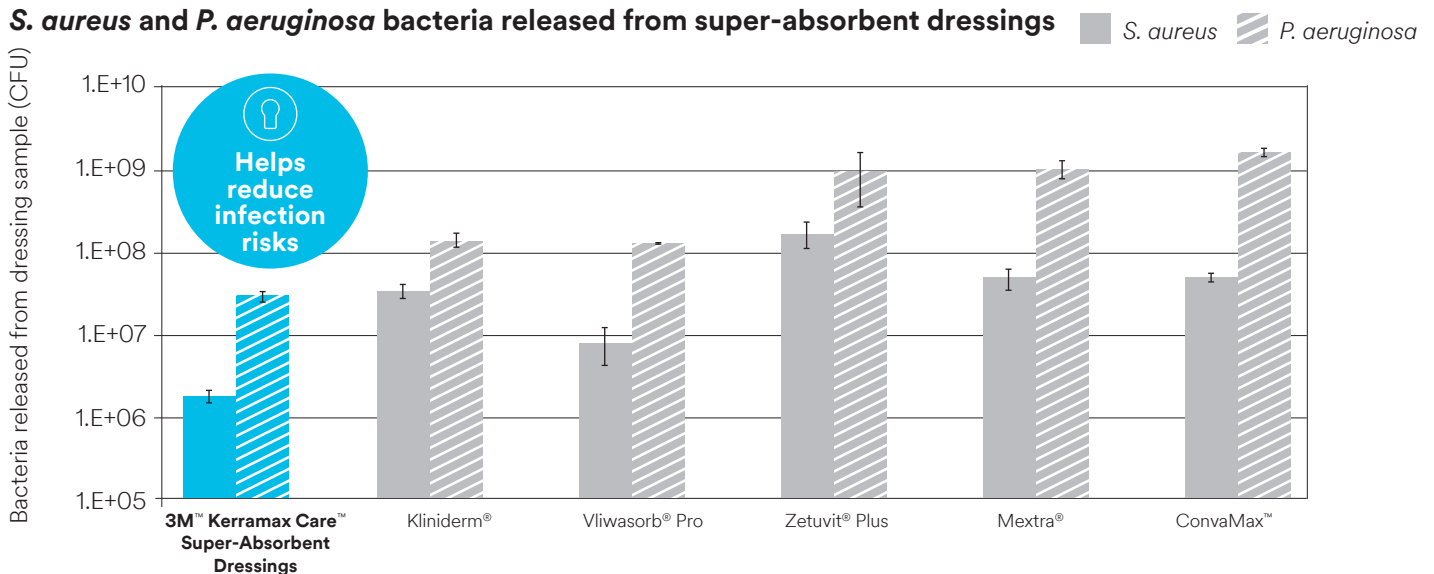
Effective sequestration and retention of bacteria and

Because 3M™ Kerramax Care™ Super-Absorbent Dressings lock away exudate, even under pressure,^{7*} 3M™ Exu-Safe™ Technology keeps these threats away from delicate wound tissue, wound edges and

Pseudomonas aeruginosa and *Staphylococcus aureus* bacteria released by super-absorbent dressings.^{8*}

In vitro studies have shown 3M™ Kerramax Care™ Dressing are superior in their ability to retain bacteria within the dressing.^{8*} In comparison, other superabsorbent dressings released between 6 and 171 million more bacteria back into the wound bed than 3M™ Kerramax Care™ Dressing.^{8*}

S. aureus and *P. aeruginosa* bacteria released from super-absorbent dressings

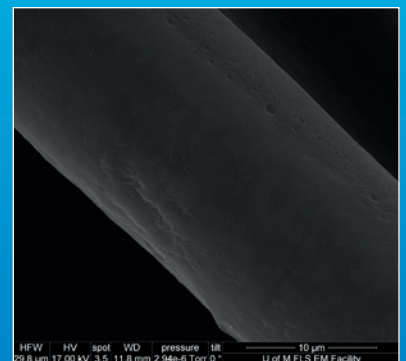


Kliniderm® (H&R Healthcare Ltd), Vliwasorb® Pro (Lohmann & Rauscher GmbH), Zetuvit® Plus (Paul Hartmann AG), Mextra® (Mölnlycke Health Care AB) and ConvaMax™ (ConvaTec Group PLC)

Where does sequestered bacteria reside within the dressing?

In vitro studies^{1,8*} demonstrate that 3M™ Kerramax Care™ Dressings lock away bacteria within the dressing core away from the outer layers in direct contact with the wound bed.

Scanning electron microscope image of the outer layer of 3M™ Kerramax Care™ Dressing following application of bacteria demonstrating effective sequestration away from the wound contact layer.^{8*}

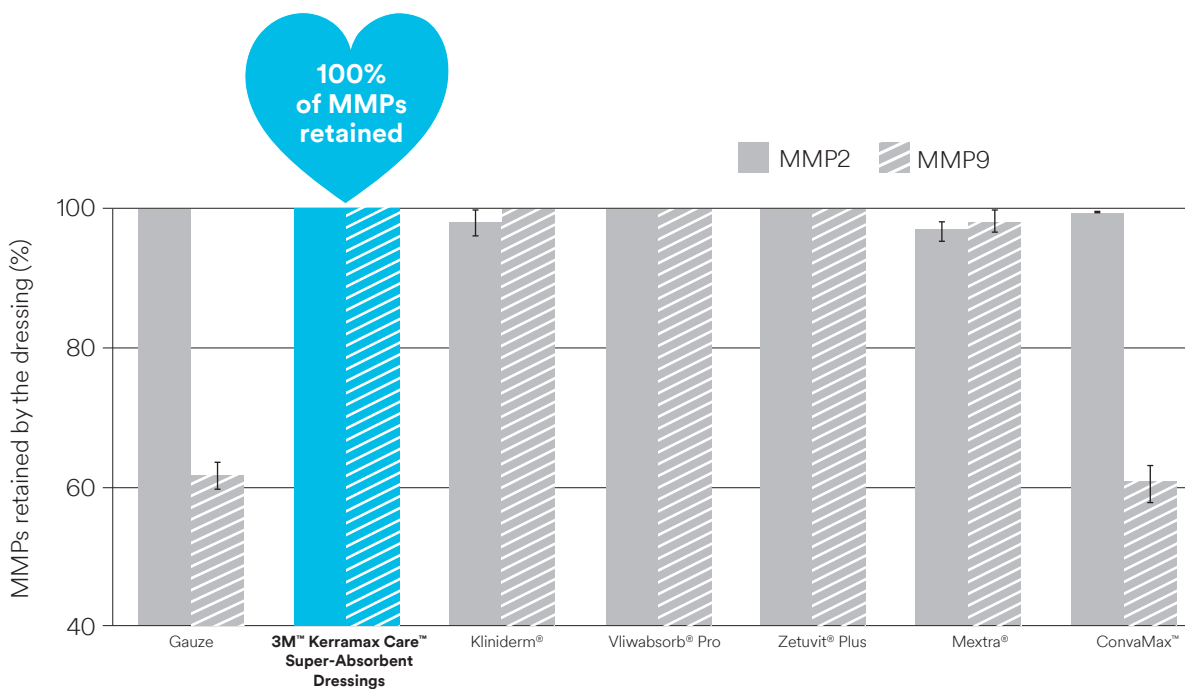


d MMPs.

they are also effective at locking away bacteria and MMPs present in wound fluid, which can delay wound healing. healthy surrounding skin.

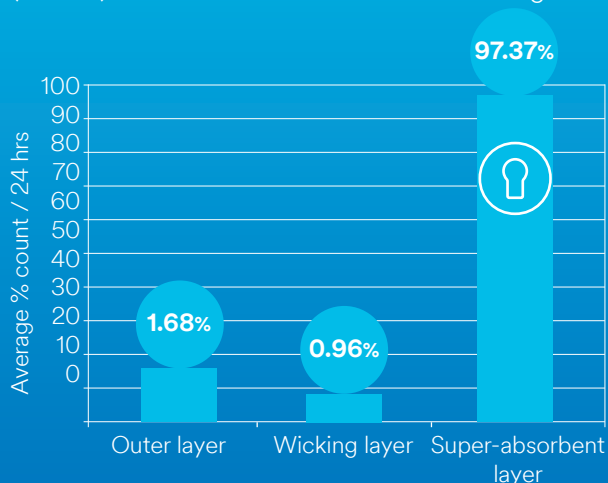
Sequestration of MMPs.^{9*}

Samples of dressings were incubated with MMP2 or MMP9. After four days, the dressing samples were saturated and the MMPs released from the dressings were quantified.



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Bacterial sequestration distribution of methicillin-resistant *Staphylococcus aureus* (MRSA)* in 3M™ Kerramax Care™ Dressings.^{1*}



98.33%
of MRSA was
**locked inside the
dressing** and away
from the wound.^{1*}

*As demonstrated *in vitro*

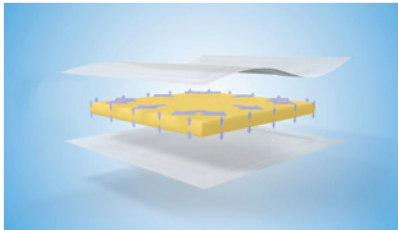
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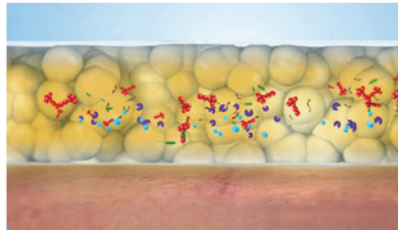
High absorption and protection for patients.

All wounds produce exudate to help repair and heal damaged tissue. However, in non-healing, chronic wounds, excessive exudate production can be a problem. Whether exudate is serous or viscous, the combination of a unique horizontal wicking and 3M™ Exu-Safe™ Technology ensures high fluid absorption and retention,⁴ even under compression.^{7*}

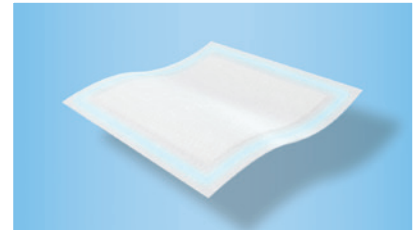
3M™ Kerramax Care™ Super-Absorbent Dressings minimise this risk in three ways:



1. Horizontal wicking system, ensures exudate is absorbed evenly throughout the dressing, with no gel blocking,⁶ which can lead to leaks.



2. High fluid absorption and retention capacity, to help lock bacteria and MMPs in the dressing's core,^{1*} away from the wound.



3. Heat-sealed border, to prevent exudate leakage from the dressing^{7*} and keep the dressing strong and intact.



Safely contain potential threats from chronic wound fluid.

3M™ Kerramax Care™ Dressings offer an advanced method of absorbing fluid from wounds utilising the 3M™ Exu-Safe™ Technology built into the dressing's core.



Locks away exudate to protect delicate wound tissue and surrounding skin.⁴



Locks away the transmission risk of infection^{2*} in chronic wounds.



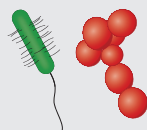
Locks away harmful components of chronic wound fluid – especially bacteria.^{1*}

Fluid



Can cause maceration if exudate comes into contact with peri-wound skin.

Bacteria

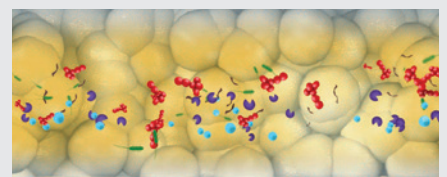


The presence of bacteria increases the risk of wound infection which can result in delayed healing.

MMPs



Can contribute to delayed healing and wound edge breakdown.



Locks away bacteria from the wound bed.^{1*}

*As demonstrated *in vitro*

Demand

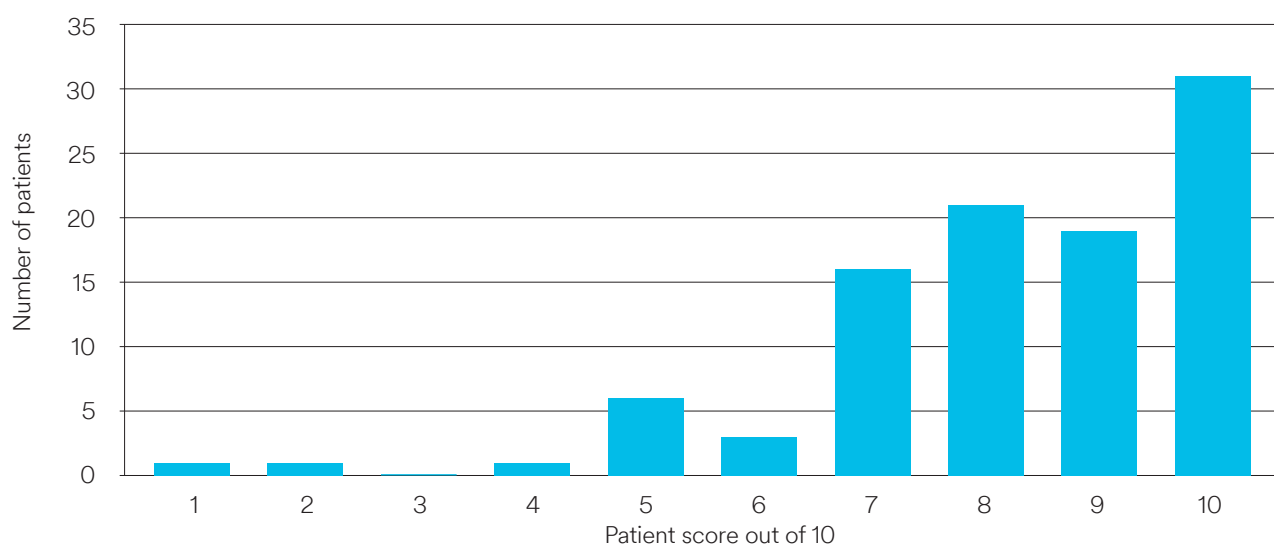


Dressings to support patient comfort.

A positive patient experience can lead to reduced stress and anxiety when dealing with chronic wounds, this in turn can reduce pain and improve patient concordance with treatment⁴. 3M™ Kerramax Care™ Dressings are designed for patient comfort. Their non-woven material is soft on skin and remains dry to the touch, due to 3M™ Exu-Safe™ Technology.

Patient experience: patient comfort.

In a recent patient study of managing highly exuding wounds in the community, 3M™ Kerramax Care™ Dressings were evaluated for patient experience based on comfort. A total of 101 patient evaluations were completed across a range of wound aetiologies.



Patients

71%

Scored the dressing between 8–10 highlighting a **high level of comfort** and **positive patient experience**.⁴



Clinicians

98%

Would use Kerramax Care Dressings as their **first choice**⁴ for the **management of highly exuding wounds**.



3M™ Kerramax Care™ Dressings at a glance.



Absorbs and retains high levels of exudate^{7*}



Soft, conformable and foldable⁴



Sequesters bacteria^{2*} and MMPs^{3*}



Easy to apply⁴ (using either side)



Can be used under all forms of compression^{5,7*}



Can be left in place for seven days

*As demonstrated *in vitro*








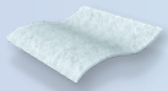

Ordering information.

3M™ Kerramax Care™ Super-Absorbent Dressing (Non-Adhesive)				
Size	Dressings per box	Product code	PIP code	NHS code
5cm x 5cm	10	PRD500-025	398-0998	EME120
6.5cm x 8cm	10	PRD500-065	N/A	TBC
10cm x 10cm	10	PRD500-050	352-3446	EME045
10cm x 10cm (bulk pack)	50	PRD500-050-B50	N/A	EME123
10cm x 22cm	10	PRD500-120	342-3308	EME023
10cm x 22cm (bulk pack)	50	PRD500-120-B50	N/A	EME124
13.5cm x 15.5cm	10	PRD500-100	403-2793	TBC
20cm x 22cm	10	PRD500-240	342-3290	EME024
20cm x 22cm (bulk pack)	30	PRD500-240-B30	N/A	EME125
20cm x 30cm	10	PRD500-380-B10	352-3453	EME131
20cm x 30cm (bulk pack)	30	PRD500-380-B30	N/A	EME126
20cm x 50cm	10	PRD500-600-B10	398-0786	EMA040
3M™ Kerramax Care™ Super-Absorbent Border Dressing (Adhesive)				
16cm x 16cm	5	CWL1000	379-1977	EME078
16cm x 26cm	5	CWL1001	379-2124	EME079
26cm x 26cm	5	CWL1002	379-2132	EME080



To learn more about the benefits of 3M™ Kerramax Care™ Dressings contact your local 3M sales representative.

Expertise along the exudate management pathway.

Dry to low 	Low to moderate 	Moderate to high 	High to very high 
3M™ Kerralite Cool™ Moisture Balancing Hydrogel Dressings Absorbent, moisture balancing hydrogel sheet dressing. 	3M™ Tegaderm™ Absorbent Clear Acrylic Dressing Conformable, absorbent clear dressing. 	3M™ Tegaderm™ Silicone Foam Border Dressing Silicone foam dressing with advanced adhesive technology.  3M™ Kerracel™ Gelling Fiber Dressing Conformable, gelling fiber dressing. 	3M™ Kerramax Care™ Super-Absorbent Dressings Super-absorbent dressing with 3M™ Exu-Safe™ Technology. 

References

1. Cooper, R. An investigation into the ability of Kerramax Care™ and Kerrafoam™ to bind bacteria. Cardiff Metropolitan University. September 2013. 2. Thomas, H and Westgate, S.J. An in vitro comparison of MRSA and P. aeruginosa sequestration by five super-absorbent wound dressings. Poster presented at EWMA; 11–13 May 2016; Bremen, Germany. 3. Dr. Cochrane, C.A. Evaluation of matrix metalloproteinases by wound care products. University of Liverpool, UK. July 2011. 4. Hughes, M. A large-scale evaluation of managing moderate and highly exuding wounds in the community. *Wounds UK*. 2017;13(3):78–85. 5. Cotton, S. The management of a chronic leg ulcer using Kerramax Care™ Super-Absorbent Dressing under compression. Poster presented at Wounds UK; November 2015; Harrogate, UK. 6. Rose, R. A large clinical evaluation assessing the tolerance & effectiveness of super-absorbent dressing, Kerramax Care™ Poster presented at Wounds UK; November 2015; Harrogate, UK. 7. Jackson, S. & Warde, D. Determination of free swell absorption and fluid retention, and absorption capacity under pressure of Kerramax Care™. Crawford Healthcare Ltd. CHC R596. Knutsford, UK: 2017. 8. Singh, G. and Thomason, H. Sequestration and retention of bacteria by superabsorbent dressings over time. KCI. CHC R1043 (*in vitro*). University of Manchester and KCI Knutsford, UK. 2020. 9. Singh, G. and Thomason, H. Sequestration of matrix metalloproteinases (MMPs) by superabsorbent wound dressings. KCI. CHC R1042 (*in vitro*). University of Manchester and KCI Knutsford, UK. 2020.



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Note: Specific indications, contraindications, warnings, precautions and safety information exist for these products and therapies. Please consult a clinician and product instructions for use prior to application.

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