

**3M** Science.  
Applied to Life.™

# 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 Exu-Safe™ Technology, unique lateral wicking system and ability to sequester bacteria<sup>1,2\*</sup> and MMPs,<sup>3\*</sup> are ready to meet these demands helping to transform patient outcomes.

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

Demand

1

Effective Sequestration and Retention of Bacteria and MMPs

Demand

2

High Absorption and Protection for Patients

Demand

3

Dressings that Support Patient Comfort



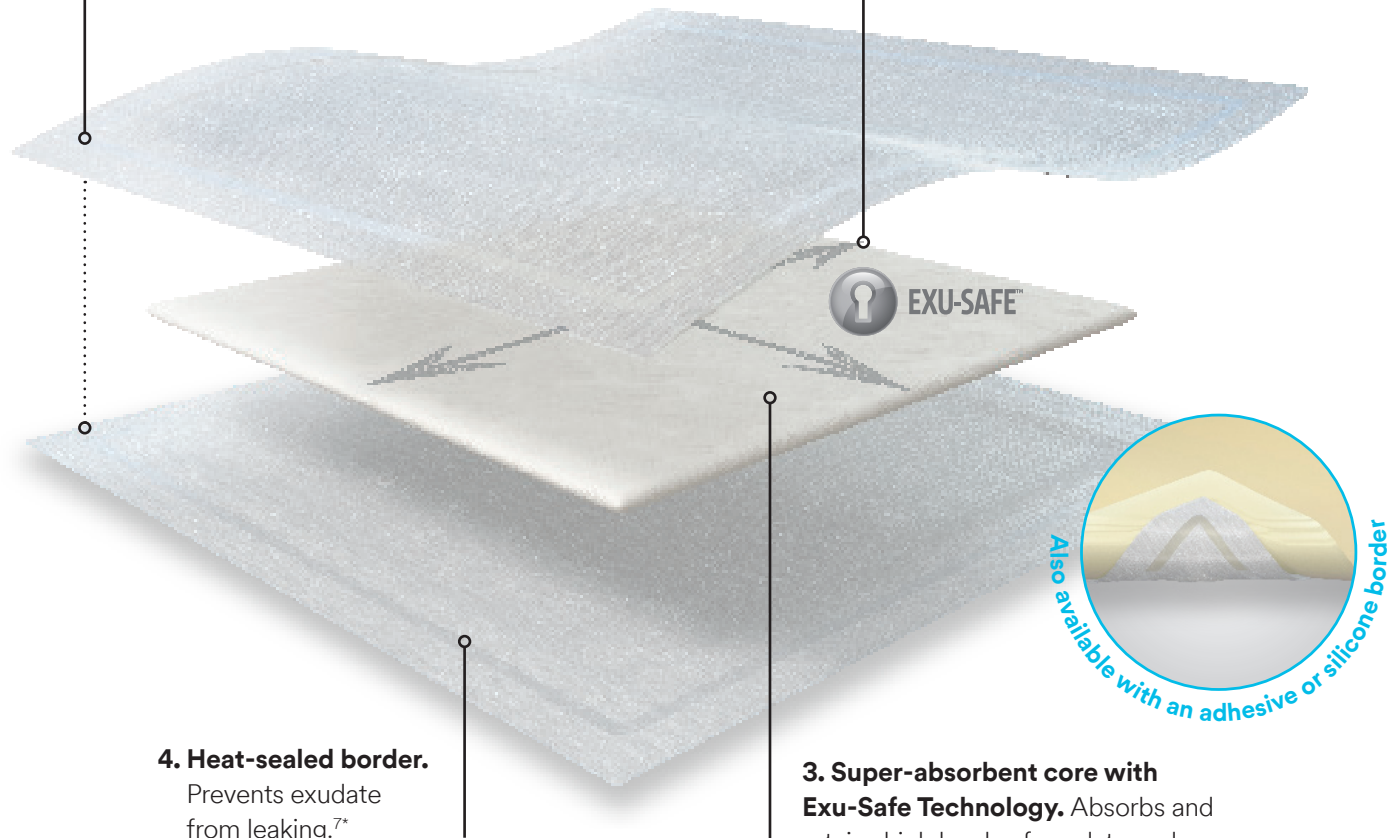
# Kerramax Care™ Dressings.

## 1. Soft, non-woven material.

On both sides of the dressing, so either side can be placed on the wound whilst being comfortable for the patient<sup>4</sup> helping support patient compliance.

## 2. Unique, horizontal wicking layer.

Draws up serous and viscous exudate,<sup>4</sup> distributing it evenly, both horizontally and vertically throughout the dressing, utilising the full absorption capacity whilst preventing bulking.<sup>5,6</sup>



## 4. Heat-sealed border.

Prevents exudate from leaking.<sup>7\*</sup>

## 3. Super-absorbent core with Exu-Safe Technology.

Absorbs and retains high levels of exudate and potentially harmful bacteria<sup>2\*</sup> and MMPs<sup>3\*</sup> away from the wound bed to facilitate healing and reduce the risk of maceration.

## Indications

Kerramax Care dressing is indicated for moderately to highly exuding:

- Pressure Injuries
- Venous Leg Ulcers
- Diabetic Foot Ulcers

Demand



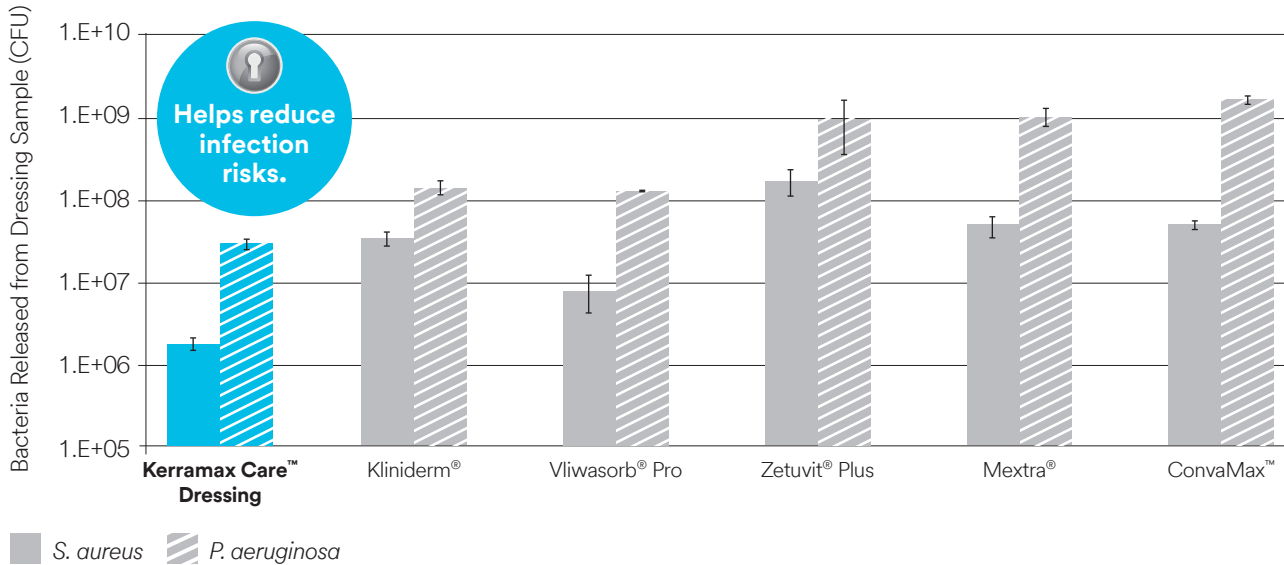
# Effective sequestration and retention of bacteria and

Because Kerramax Care dressings lock away exudate, even under pressure,<sup>7\*</sup> they are also effective at Exu-Safe Technology keeps these threats away from delicate wound tissue, wound edges and healthy

## *Pseudomonas aeruginosa* and *Staphylococcus aureus* bacteria released by super-absorbent dressings.<sup>8\*</sup>

*In vitro* studies have shown Kerramax Care dressing are superior in their ability to retain bacteria within the dressing.<sup>8\*</sup> In comparison, other superabsorbent dressings released between 6 and 171 million more bacteria back into the wound bed than Kerramax Care dressing.<sup>8\*</sup>

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

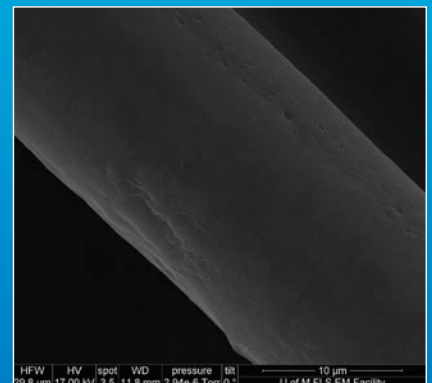


Kliniderm® (H&R Healthcare Ltd), Vliwasorb® Pro (Lohmann & Rauscher GmbH), Zetuvit® Plus (Paul Hartmann AG), Mextra® (Mölnlycke Health Care AB) and ConvaMax™ (ConvaTec Group PLC).

## Where does sequestered bacteria reside within the dressing?

*In vitro* studies<sup>1,8\*</sup> demonstrate that 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 Kerramax Care dressing following application of bacteria demonstrating effective sequestration away from the wound contact layer.<sup>8\*</sup>

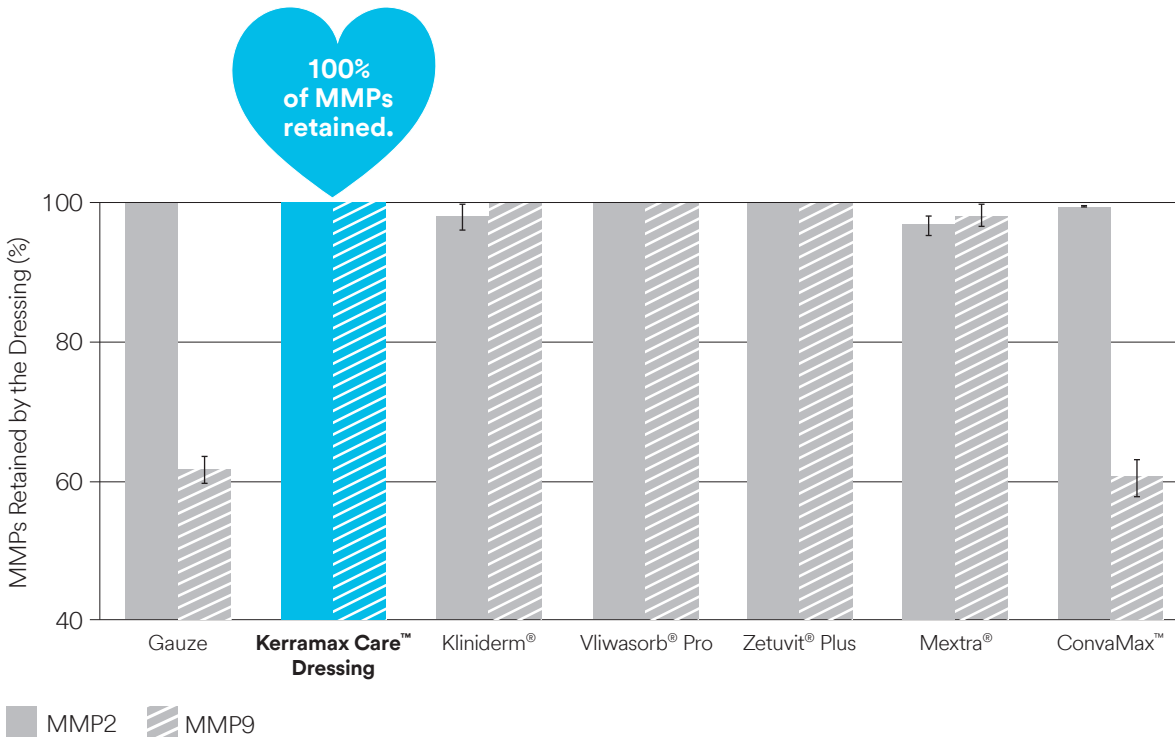


# MMPs.

locking away bacteria and MMPs present in wound fluid, which can delay wound healing. surrounding skin.

## Sequestration of MMPs.<sup>9\*</sup>

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.



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).

## Bacterial sequestration distribution of MRSA\* in Kerramax Care dressings.<sup>1\*</sup>



**98.33%**  
of MRSA was **locked inside the dressing** and away from the wound.<sup>1\*</sup>

\*As demonstrated *in vitro*.



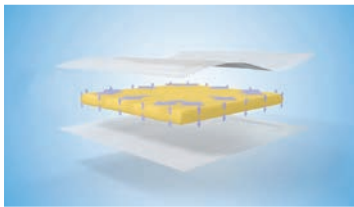
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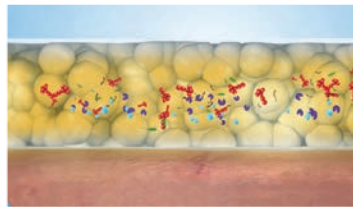
## High absorption and protection for patients.

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 Exu-Safe Technology ensures high fluid absorption and retention,<sup>4</sup> even under compression.<sup>7\*</sup> For the patient, this reduces the risk of maceration.

### Kerramax Care™ Dressings minimise this risk in three ways:



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



**2. High fluid absorption and retention capacity,** to help lock bacteria and MMPs in the dressing's core,<sup>1\*</sup> away from the wound.



**3. Heat-sealed border,** to prevent exudate leakage from the dressing<sup>7\*</sup> and keep the dressing strong and intact.



## EXU-SAFE™

### Safely contain potential threats from chronic wound fluid.

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



Locks away exudate to protect delicate wound tissue and surrounding skin.<sup>4</sup>



Locks away the transmission risk of infection<sup>2\*</sup> in chronic wounds.



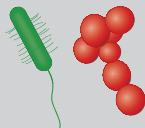
Locks away harmful components of chronic wound fluid — especially bacteria.<sup>1\*</sup>

#### Fluid



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

#### Bacteria

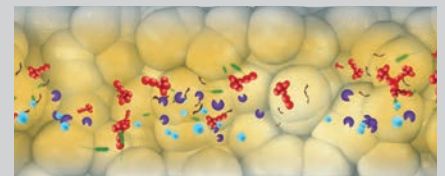


The presence of bacteria increases the risk of wound infection which can result in delayed healing.

#### MMPs



Can contribute to delayed healing and wound edge breakdown.



Locks away bacteria from the wound bed.<sup>1\*</sup>

\*As demonstrated *in vitro*.

Demand

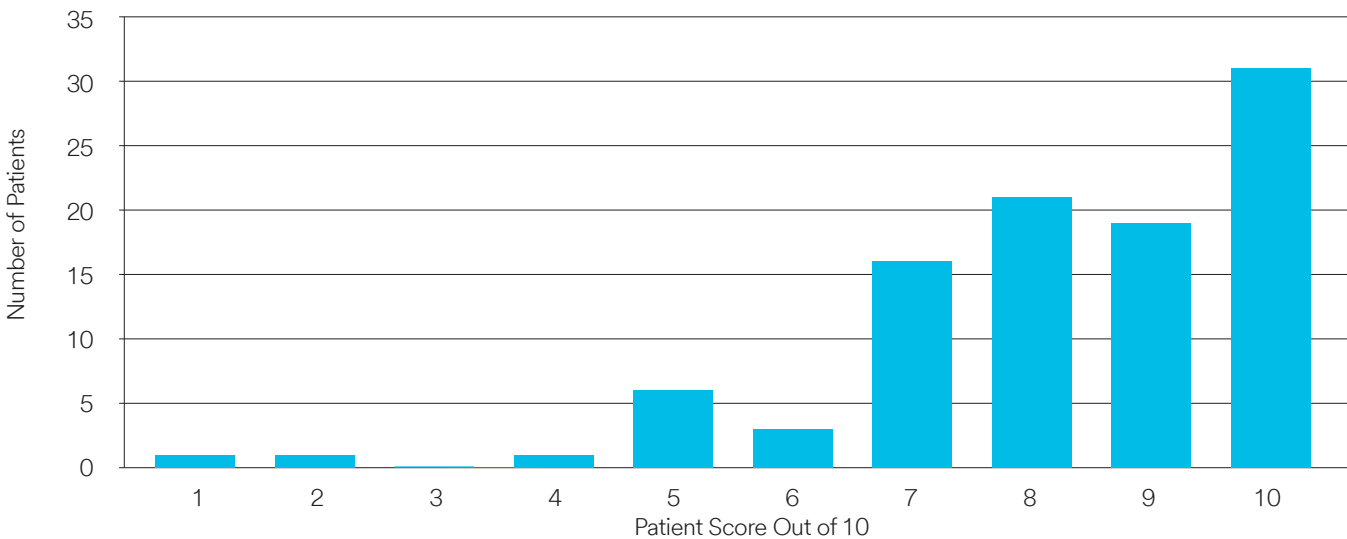
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## Dressings to support patient comfort.

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 treatment.<sup>4</sup> Kerramax Care dressings are designed for patient comfort. Their non-woven material is soft on skin and remains dry to the touch, due to Exu-Safe Technology.


### Patient experience: patient comfort

In a recent patient study of managing highly exuding wounds in the community, 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**.<sup>4</sup>



**Clinicians** **98%**

Would use Kerramax Care dressings as their **first choice**<sup>4</sup> for the **management of highly exuding wounds**.



## Kerramax Care™ Dressings at a glance



Absorbs and retains high levels of exudate.<sup>7\*</sup>



Soft, conformable and foldable.<sup>4</sup>



Sequesters bacteria<sup>2\*</sup> and MMPs.<sup>3\*</sup>



Easy to apply<sup>4</sup> (using either side).



Can be used under all forms of compression.<sup>5,7\*</sup>



Can be left in place for seven days.





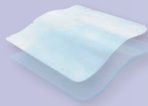


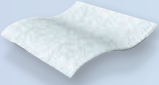

\*As demonstrated *in vitro*.

## Ordering Information

3M™ Kerramax Care™ Super-Absorbent Dressing			
Catalog ID	Size	Dressings Per Box	HCPCS
PRD500-025	2" x 2"	10 ea/bx	A6196
PRD500-050	4" x 4"	10 ea/bx	A6196
PRD500-100	5" x 6"	10 ea/bx	A6197
PRD500-120	4" x 9"	10 ea/bx	A6197
PRD500-240	8" x 9"	10 ea/bx	A6198
PRD500-380 -B10	8" x 12"	10 ea/bx	A6198
PRD500-600-B10	8" x 20"	10 ea/bx	A6198
3M™ Kerramax Care™ Gentle Border Dressing			
PRD500-1174	4" x 4"	10 ea/bx	A6196
PRD500-1175	6" x 6"	10 ea/bx	A6196
PRD500-1176	8" x 8"	10 ea/bx	A6197
PRD500-1177	6" x 10"	10 ea/bx	A6197

Contact your local 3M Account Manager, call the 3M Health Care Helpline at **1-800-228-3957**, or visit **3M.com/Medical** for more information.

## Expertise along the exudate management continuum.

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



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**KCI**  
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### References

1. Cooper, R. An investigation into the ability of Kerramax Care™ and Kerraflex™ to bind bacteria. Cardiff Metropolitan University, September 2013. 2. Thomas, H & 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. & Thomason, H. Sequestration and retention of bacteria by superabsorbent dressings over time. KCI. CHC R1043 (in vitro). University of Manchester & KCI Knutsford, UK. 2020. 9. Singh, G. & Thomason, H. Sequestration of matrix metalloproteinases (MMPs) by superabsorbent wound dressings. KCI. CHC R1042 (in vitro). University of Manchester & KCI Knutsford, UK. 2020.

**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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