QUICKGUIDE

3M™ Kerramax Care™ Super-Absorbent Dressings

Wounds INTERNATIONAL

Challenges of excess exudate

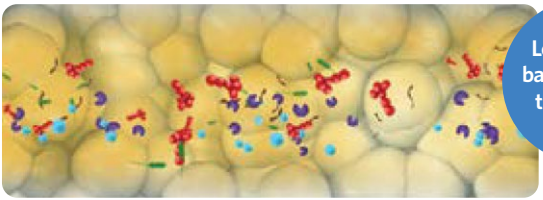
Highly exuding wounds are demanding for both clinician and patient. Excess fluid can lead to[1]:

- Difficulties achieving an optimum moisture balance
- Leakage, which is uncomfortable and can be odourous
- Maceration of wound edges and surrounding skin

Bacteria and matrix metalloproteinases (MMPs) in excess fluid can be an impediment to wound healing[1].

Solutions for managing excess exudate

3M™ Kerramax Care™ Super-Absorbent Dressings with advanced **3M™ Exu-Safe™ Technology** has a unique lateral wicking system and ability to reduce MMPs[2*] and sequester bacteria such as methicillin-resistant *Staphylococcus aureus* (MRSA) and *Pseudomonas aeruginosa*[3,4].



Locks away bacteria from the wound bed[4]

Kerramax Care Dressings are designed to manage high to very high levels of exudate:

- Can be used as either a primary or secondary dressing
- Can be folded or shaped to assist patient comfort[5]
- Can be used on either side for easy application
- Can be left in place for 7 days
- Available in a wide range of shapes and sizes, including a 20x50cm that can be wrapped around the leg easily underneath bandaging[6]
- Suitable for use under all forms of compression[6]

*as demonstrated *in vitro*

High absorption and protection for patients

Whether exudate is serous or viscous, the combination of a unique horizontal wicking and **3M™ Exu-Safe™ Technology** ensures high fluid absorption and retention[5], even under compression[3,6*].

3M™ Kerramax Care™ Super-Absorbent Dressings locks away:

- **Fluid**, which can cause maceration if left unmanaged[5]
- **Bacteria**, which reduces the risk of wound infection[3,4]
- **Harmful components of chronic wound fluid** that contribute to delayed healing and wound edge breakdown, such as MMPs[2].

1. Horizontal wicking system

2. High fluid absorption and retention capacity

3. Heat-sealed border, to prevent exudate leakage from the dressing[6*] and keep the dressing strong and intact

Patient experience: 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[5].

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

71% of patient evaluations scored the dressing between 8–10 compared to their previous treatment[5] (0: worse; 5: similar; 10: better)

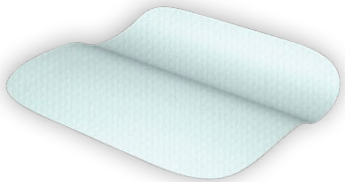
98% of clinician evaluations stated they would use Kerramax Care Dressings as their first choice[5] for the management of highly exuding wounds[5]

Where Kerramax Care sits on the 3M™ exudate management continuum

Dry to low

3M™ Kerralite Cool™ Moisture Balancing Hydrogel Dressings

Absorbent, moisture balancing hydrogel sheet dressing



Low to moderate

3M™ Tegaderm™ Absorbent Clear Acrylic Dressing

Conformable, absorbent clear dressing

Moderate to high

3M™ Tegaderm™ Silicone Foam Border Dressing

Silicone foam dressing with advanced adhesive technology

3M™ Kerracel™ Gelling Fiber Dressing

Conformable, gelling fiber dressing

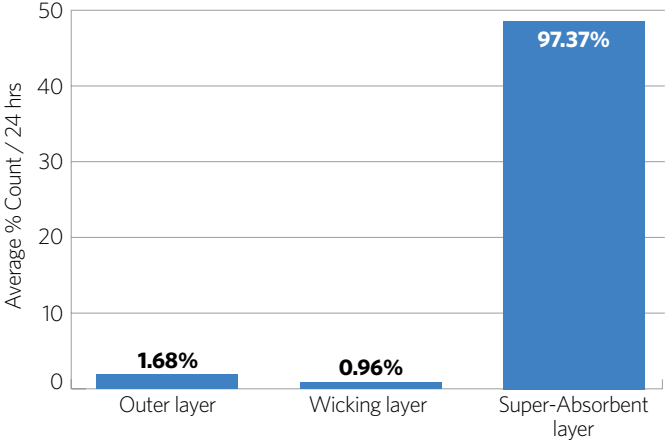
High to very high

3M™ Kerramax Care™ Super-Absorbent Dressings

Where does sequestered bacteria and MMPs reside within the dressing?

In vitro studies[3,7]* demonstrate that 3M™ Kerramax Care™ Super-Absorbent Dressings lock away bacteria within the Super-absorbent core with Exu-Safe Technology dressing core away from the outer layers in direct contact with the wound bed.

Bacterial sequestration distribution of MRSA* in Kerramax Care Dressings[3]*



98.33% of MRSA

Kerramax Care Dressings are superior in their ability to retain bacteria within the dressing compared with other super-absorbent dressings and gauze[7]*. 98.33% of MRSA was locked inside the dressing and away from the wound[3]*.

100% of MMPs

Kerramax Care Dressings retained 100% of MMP2 or MMP9 after four days compared to gauze and other super-absorbent dressings[8]*.

*as demonstrated *in vitro*

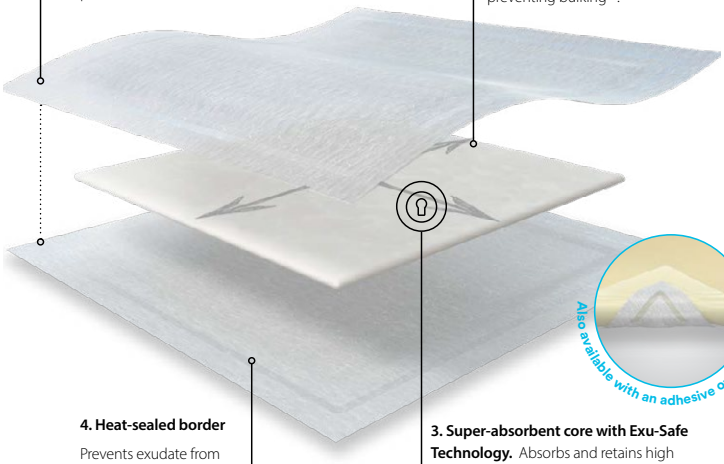
3M™ Kerramax Care™ Super-Absorbent Dressings

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[5] helping support patient compliance.

2. Unique, horizontal wicking layer

Draws up serous and viscose exudate[5], distributing it evenly, both horizontally and vertically throughout the dressing, utilising the full absorption capacity whilst preventing bulking[6,9].



4. Heat-sealed border

Prevents exudate from leaking[6*].

3. Super-absorbent core with Exu-Safe Technology. Absorbs and retains high levels of exudate and potentially harmful bacteria[4*] and MMPs[2*] away from the wound bed to facilitate healing and reduce the risk of maceration.

*as demonstrated *in vitro*

1. World Union of Wound Healing Societies (WUWHS) *Consensus Document. Wound exudate: effective assessment and management.* Wounds International, 2019. Available at https://www.woundsinternational.com/resources/details/wuwhs-consensus-document-wound-exudate-effective-assessment-and-management (accessed 16.06.21).
2. Dr. Cochrane, C.A. Evaluation of matrix metalloproteinases by wound care products. University of Liverpool, UK. July 2011.
3. Cooper, R. *An investigation into the ability of Kerramax Care™ and Kerrafoam™ to bind bacteria.* Cardiff Metropolitan University. September 2013.
4. Thomas H, Westgate SJ. *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.
5. Hughes M. A large-scale evaluation of managing moderate and highly exuding wounds in the community. *Wounds UK* 2017;13(3): 78-85.
6. 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.
7. 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.
8. 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.
9. 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.