

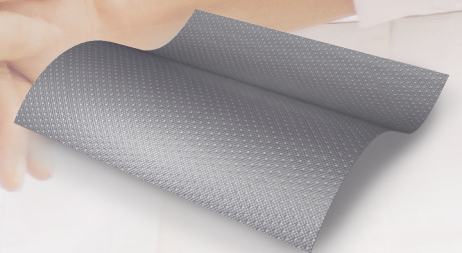
3M Science.
Applied to Life.™

New
and
improved

**Make the smart
choice to destroy
bacteria and
promote healing.**

3M™ Kerracontact™ Ag Dressing

Powered by

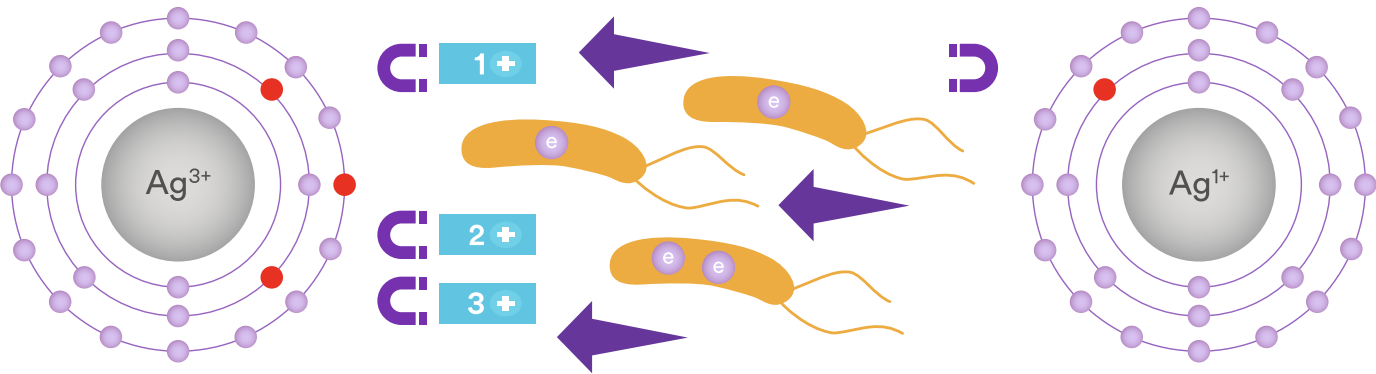


Ag₇NO₁₁ = Ag Oxysalts™ Technology

Silver is only effective at killing bacteria when it is missing electrons and in its ionic state. The more electrons that are missing, the more reactive it becomes and the greater its ability to disrupt the normal function of bacteria.

3M™ Kerracontact™ Ag dressing uses Ag Oxysalts™ Technology, which is designed with three missing electrons (Ag³⁺), while other silver dressings are only missing one electron (Ag¹⁺).

This makes 3M™ Kerracontact™ Ag dressing particularly effective at killing bacteria.



Where can Kerracontact Ag Dressing be used?

Kerracontact Ag dressing can be used on a wide variety of wounds that are infected or at risk of infection.



Burn



Leg Ulcer



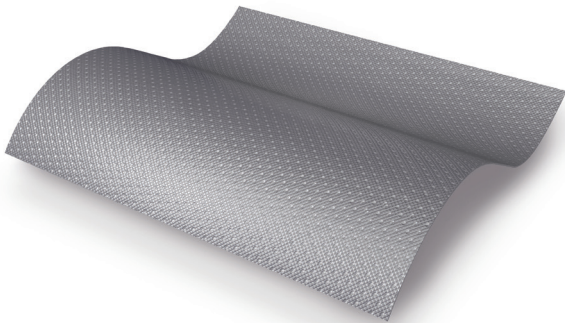
Diabetic Foot Ulcer



Surgical Wound

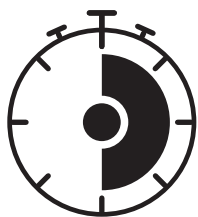


Pressure Ulcer



New and improved

Kerracontact Ag dressing is now back with a new and improved design. The dressing is now thinner ensuring that it conforms to the shape of the wound and your patients. All this whilst still offering a fast⁵ and powerful^{*,†,1,2} antimicrobial wound dressing with patented Ag Oxysalts™ Technology:



Starts to kill bacteria within 30 minutes^{*5}



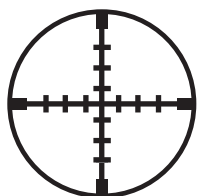
Effective at killing bacteria for 7 days^{*6}



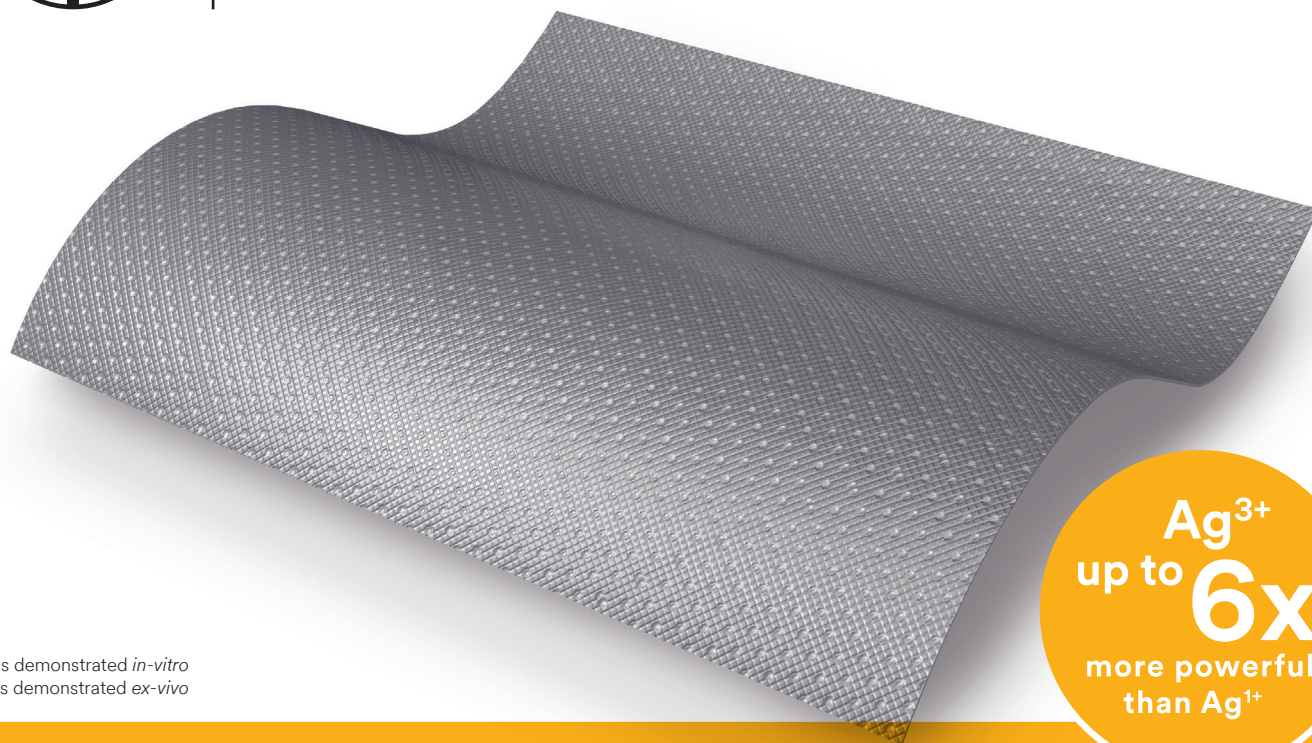
Kills at least 99.999% (5 log) of a broad spectrum of bacteria^{*1}



Promotes healing on infected and non-infected wounds^{*†3}



Kills bacteria within a biofilm^{*1,2}



* as demonstrated *in-vitro*
† as demonstrated *ex-vivo*

Ag³⁺
up to **6x**
more powerful
than Ag¹⁺

Superior Ag Oxysalts™ Technology



OXYSALTS™

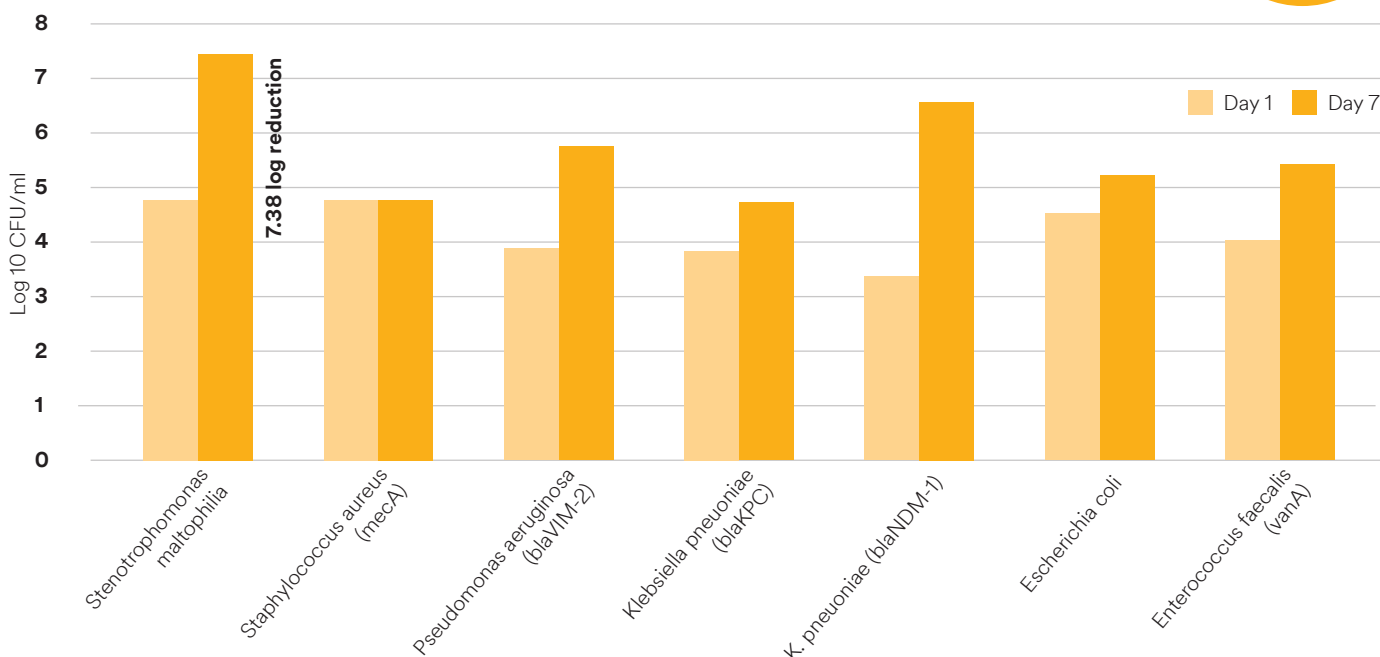
Kerracontact Ag dressing with Ag Oxysalts™ Technology is designed with 3 missing electrons (Ag³⁺) to give up to **6 times more power** to kill bacteria. Other silver dressings are only missing 1 electron (Ag¹⁺) making them less effective.⁴



Kills 99.999% of bacteria

Kills
up to **10**
million
bacteria^{1*}

Kills multidrug resistant bacteria^{*1}



Fast and effective against Biofilms

Reduces
biofilm
in just **4**
hours^{*}

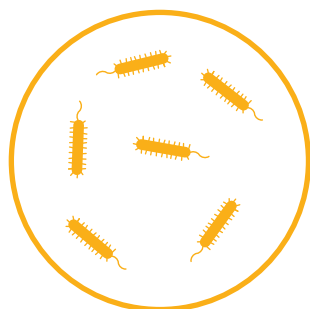
Remaining viable bacteria in a biofilm after 4 hours^{1*}

Pseudomonas aeruginosa

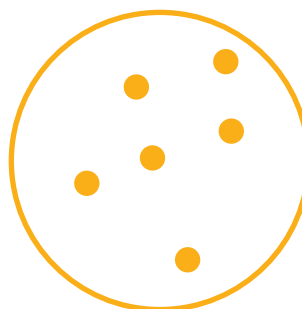
Staphylococcus aureus

Kerracontact Ag Dressing

Kerracontact Ag Dressing



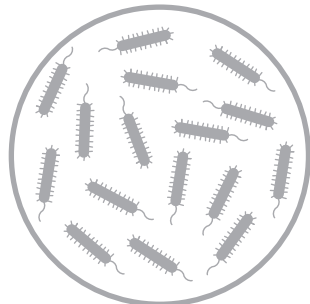
700
CFU/ml



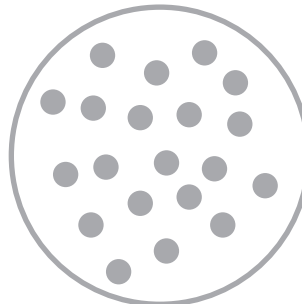
600
CFU/ml

Control

Control



6 billion
CFU/ml



5.6 billion
CFU/ml

Biofilms of *Pseudomonas aeruginosa* and *Staphylococcus aureus* were exposed to the control and Kerracontact Ag Dressings for 4 h at 37 °C



Smart enough to promote healing *in-vivo*³

Wound area of uninfected wounds (mm)^{3‡}

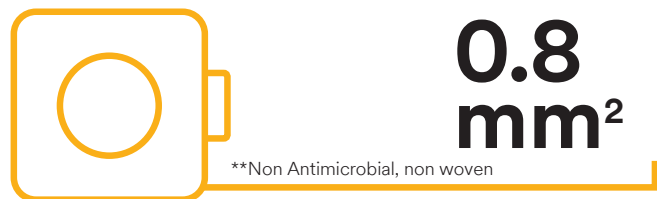
Kerracontact Ag Dressing



Wound area (mm²)

Reduces wound size in 3 days[‡]

Control



Wound area (mm²)

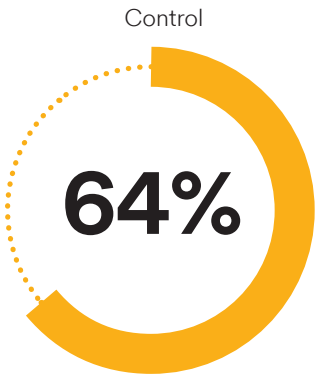
Re-epithelialisation of uninfected wounds (%)^{3‡}

Kerracontact Ag Dressing



Re-epithelialisation (%)

Promotes epithelialisation in 3 days[‡]



Re-epithelialisation (%)

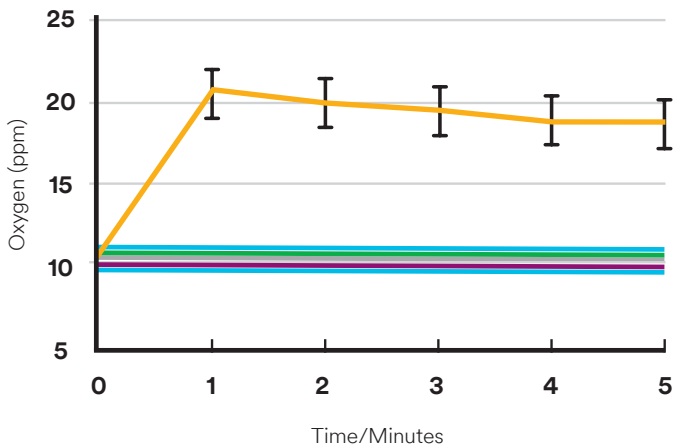
Quantification revealed significantly reduced wound area and increased re-epithelialisation following Kerracontact Ag Dressing treatment compared with control treated wounds at 3 days.

Ag Oxysalts™ Technology produces oxygen for wound healing

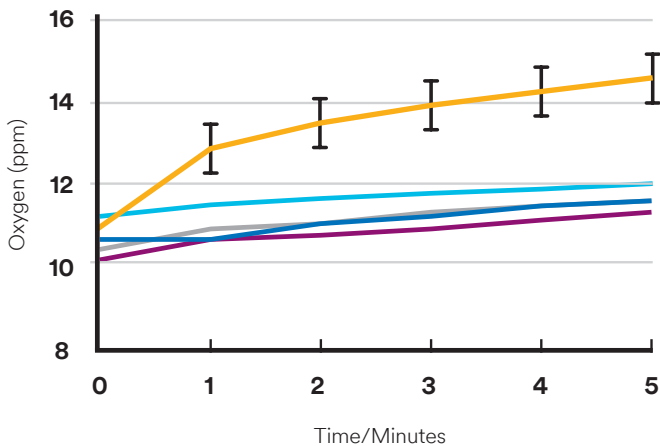
Oxygen is vital for healing, adequate wound tissue oxygenation can trigger healing responses.

Ag Oxysalts™ technology can produce oxygen in 2 ways^{*3}:

From the natural breakdown of Ag Oxysalts™ technology^{*3}



Breakdown of Hydrogen Peroxide^{*3}



- Ag Oxysalts technology
- Ag(l) Oxide
- Ag Sulfate
- Ag Metal
- SSD

- Kerracontact Ag dressing
- Aquacel Ag™
- Aquacel Ag Extra™
- Durafiber Ag™
- Control



3M™ Kerracontact™ Ag Dressing ordering information

Size	Dressings per box	3M code	PIP code	NHS Supply Chain code
5cm x 5cm	5	CWL1041	398-0588	ELY597
10cm x 12.5cm	5	CWL1042	398-0596	ELY598
15cm x 15cm	5	CWL1043	398-0604	ELY599
20cm x 40cm	5	CWL1044	398-0612	ELY600

For more information contact your local representative.

*as demonstrated *in-vitro* †as demonstrated *ex-vivo* ‡as demonstrated *in-vivo*

References:

- 1 Kalan LR, Pepin DM, UIHaq I, Miller SB, Hay ME, Precht RJ. Targetting biofilms with multidrug-resistant bacteria with silver oxynitrate. *International Journal of Antimicrobial Agents*. 2017;49: 719-726.
- 2 Thomason H. Ex vivo evaluation of KerraContact (T7 variant) efficacy against *P. aeruginosa* biofilms. Crawford Healthcare Ltd. CHC-R620. Knutsford, UK: 2017.
Thomason HA, Lovett JM, Spina CJ, Stephenson C, McBain AJ, Hardman NJ. Silver oxysalts promote cutaneous wound healing independent of infection. *Wound Repair and Regeneration*. 2018;26(2): 144-152.
- 4 Spina C. Silver I,II,III: Chemical characteristics, properties, and anti-microbial activity. Exciton Technologies 2015.
- 5 Doherty C. Rate of antibacterial efficacy of KerraContact Ag and Urgoclean Ag against *S. aureus* and *P. aeruginosa in vitro*. Crawford Healthcare Ltd. CHC-R689. Knutsford, UK: 2018
- 6 Warde D. CHC-R629 Summary of KerraContact Ag Shelf Life Studies. Crawford Healthcare Ltd. CHC-R629. Knutsford, UK: 2018.



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Crawford
Healthcare
part of 3M

Note: Specific indications, limitations, 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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