AQUACEL™ Ag SURGICAL
Hydrofiber® dressing with silver

AQUACEL™ SURGICAL
Hydrofiber® dressing

The right dressing does make a difference

[a]A post-operative dressing regimen using Mepore™ dressing covering AQUACEL™ dressing was compared to a new dressing regimen of DuoDERM™ Extra Thin dressing covering AQUACEL™ dressing after application of a liquid film forming acrylate. A subsequent study demonstrated no enhancement of the new dressing regimen by the acrylate.

[b]Equivalent performance of AQUACEL™ SURGICAL cover dressing to DuoDERM™ Extra Thin dressing covering AQUACEL™ dressing demonstrated in in vitro testing.

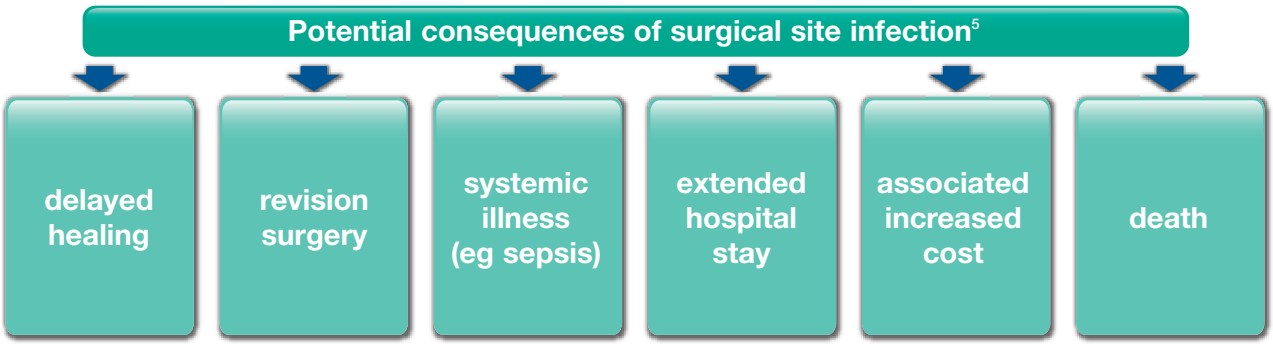
Hydrofiber® TECHNOLOGY

ConvaTec

Surgical site complications can be a cause for concern

Patients with surgical incisions can experience the following post-operative complications:

- Surgical site infection[3,4]
- Blistering[3,4]
- Bleeding[4]
- Pain and discomfort during movement[4]
- Pain and trauma at dressing changes[4]



Conventional gauze based dressings can:[6]

- become rigid and uncomfortable
- require frequent changes
- cause maceration
- provide limited protection from contamination

All of these complications can translate to **increased time, expense** and **concern** for the patient's well-being

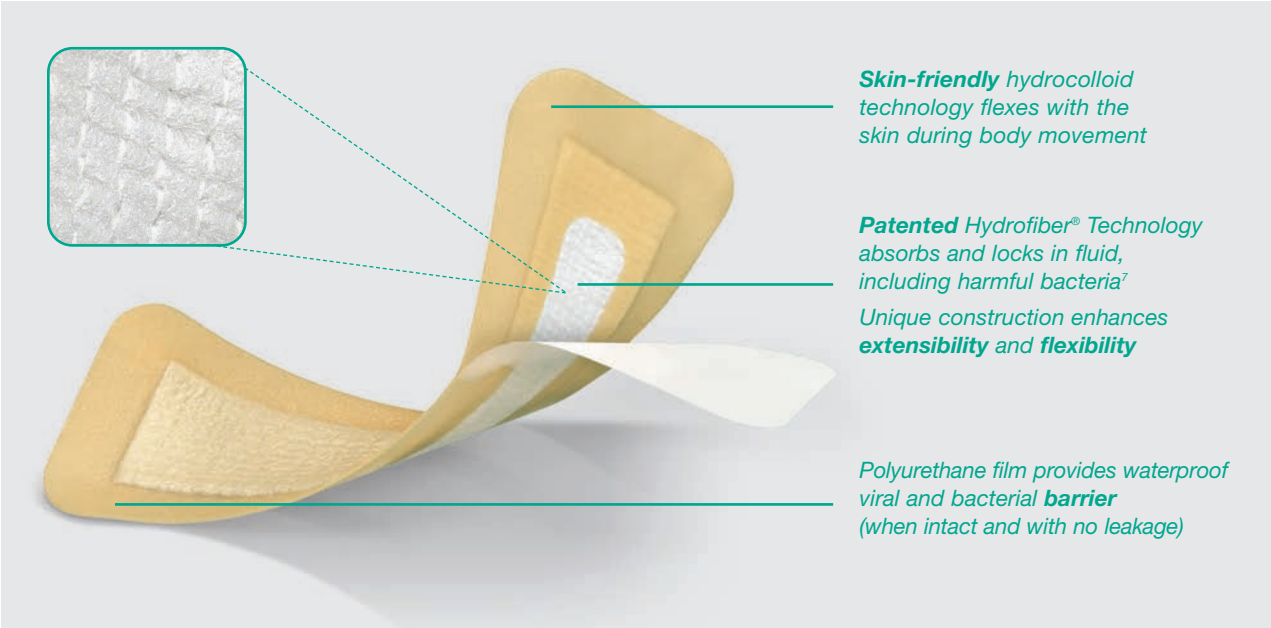
The unique gelling action of Hydrofiber® Technology

AQUACEL™ SURGICAL and AQUACEL™ Ag SURGICAL cover dressings

Evidence supports that, compared to a non-woven post-operative surgical cover dressing, AQUACEL™ SURGICAL and AQUACEL™ Ag SURGICAL cover dressings:[1a, 2b]

- **reduce** superficial surgical site infection (SSI)
- **reduce** skin blistering
- **reduce** incidence of delayed discharge
- require **fewer** dressing changes

An innovative design proven to handle post-operative challenges



[a]A post-operative dressing regimen using Mepore™ dressing covering AQUACEL™ dressing was compared to a new dressing regimen of DuoDERM™ Extra Thin dressing covering AQUACEL™ dressing after application of a liquid film forming acrylate. A subsequent study demonstrated no enhancement of the new dressing regimen by the acrylate.

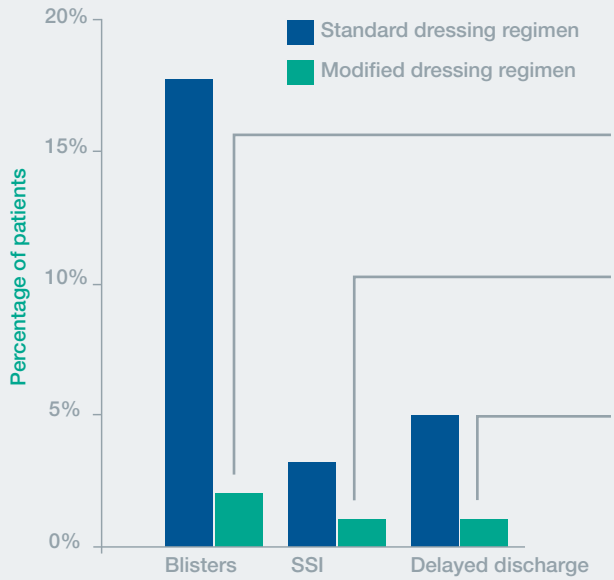
[b]Equivalent performance of AQUACEL™ SURGICAL cover dressing to DuoDERM™ Extra Thin dressing covering AQUACEL™ dressing demonstrated in in vitro testing.

AQUACEL™ Ag SURGICAL
Hydrofiber® dressing with silver

AQUACEL™ SURGICAL
Hydrofiber® dressing

Dressings **can** impact your clinical outcomes

A prospective comparative evaluation was conducted involving 428 patients undergoing total hip or total knee arthroplasty. Patients received either the hospital's then-standard dressing regimen (Mepore™ dressing covering AQUACEL™ dressing), or a modified dressing regimen of AQUACEL™ dressing covered with DuoDERM™ Extra Thin dressing (the main components of AQUACEL™ SURGICAL cover dressing) after application of a liquid film-forming acrylate. The modified dressing regimen was not enhanced by the addition of the acrylate.[1]



88% reduction[1]

67% reduction[1]

80% reduction[1]

[1]

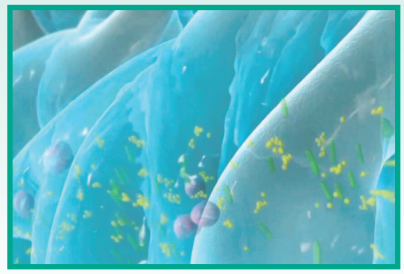
	Modified dressing regimen	Standard regimen	p-value
N	242	186	
Superficial surgical site infection	1%	3%	<0.03
Blisters	2%	18%	<0.001
Mean wear time (days)	3.7	2.3	<0.001
Mean no. of dressing changes	1.5	3.2	<0.001
Delayed discharge	1%	5%	<0.02

The science behind AQUACEL™ SURGICAL and AQUACEL™ Ag SURGICAL cover dressings

Advanced, patented Hydrofiber® Technology

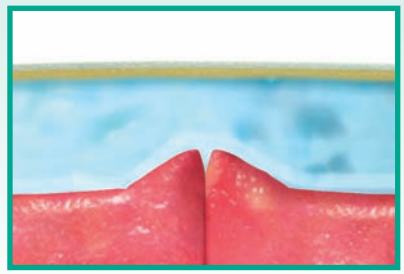
Locks in *fluid and traps bacteria*[7c]

- May help minimise cross-infection during removal.[8]
- Helps protect peri-wound skin by helping reduce the risk of maceration.[9, 10]



Contours *to the wound*[11]

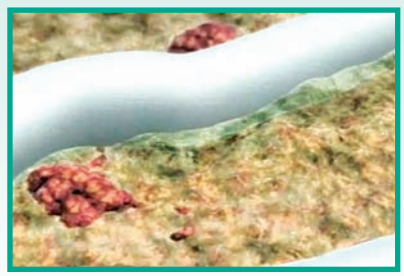
- Minimises “dead space” where bacteria can grow.
- Designed to maintain intimate contact with the incision even during joint flexion.



Responds *to levels of fluid by forming a cohesive gel*

- Maintains a favorable environment for healing.
- Reduces pain associated with frequent dressing changes.[12, 13]
- Helps balance the inflammatory response.[14]
- On-demand silver availability.[15c,d]

[c]As demonstrated in vitro
[d]Applies to equivalent antimicrobial activity of AQUACEL™ Ag SURGICAL cover dressing



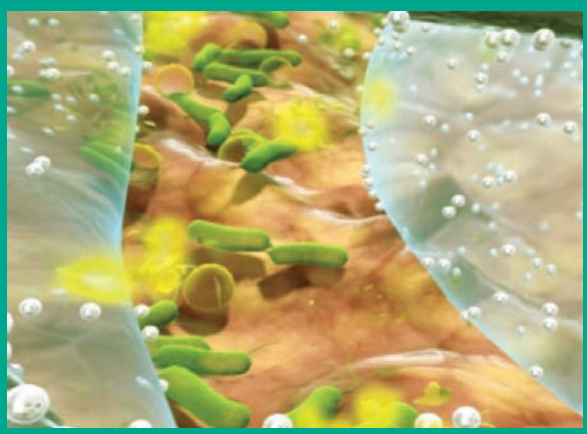
Skin-friendly hydrocolloid technology

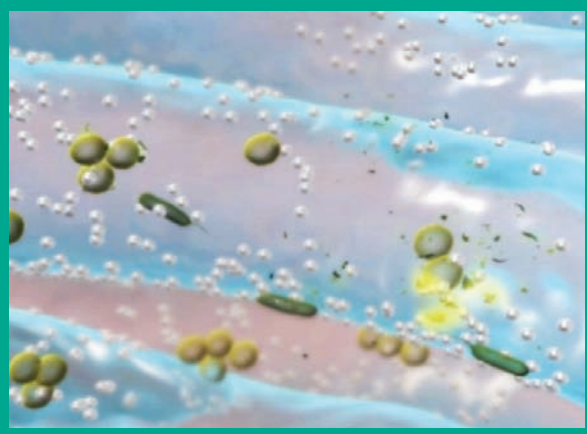
Feature	Benefit
The polyurethane film provides a viral and bacterial barrier (when intact and with no leakage)	Reduces risk of infection
Conformable	Allows for patient mobility
Waterproof film	Allows for patient bathing or showering

For incisions that are infected or at risk of infection choose AQUACEL™ Ag SURGICAL cover dressing

The Hydrofiber® Technology in AQUACEL™ Ag SURGICAL cover dressing provides rapid and sustained antimicrobial activity in in vitro testing[15-17]

- Use of silver dressings for incisions that are infected or at risk of infection can inhibit the progression of bacterial penetration[18] or prevent reinfection[19]
- The ionic silver in Hydrofiber® Technology in AQUACEL™ Ag SURGICAL cover dressing starts killing a broad spectrum of pathogens, including MRSA and VRE, within 30 minutes of exposure to the dressing[15]
- The silver in Hydrofiber® Technology in AQUACEL™ Ag SURGICAL cover dressing provides sustained antimicrobial activity for 14 days as demonstrated by in vitro studies[16]





Ionic silver kills pathogens for up to 14 days

Enhance the patient experience
enhance your clinical outcomes

Product information

Name	Dressing size	For incisions up to	Dressings per box	MPC Code	NHS Code
AQUACEL™ SURGICAL cover dressing	9cm x 10cm	4cm	10	412017	ELY323
AQUACEL™ SURGICAL cover dressing	9cm x 15cm	9cm	10	412018	ELY324
AQUACEL™ SURGICAL cover dressing	9cm x 25cm	17cm	10	412019	ELY325
AQUACEL™ SURGICAL cover dressing	9cm x 35cm	27cm	10	412020	ELY326
AQUACEL™ Ag SURGICAL cover dressing	9cm x 10cm	4cm	10	412009	ELY319
AQUACEL™ Ag SURGICAL cover dressing	9cm x 15cm	9cm	10	412010	ELY320
AQUACEL™ Ag SURGICAL cover dressing	9cm x 25cm	17cm	10	412011	ELY321
AQUACEL™ Ag SURGICAL cover dressing	9cm x 35cm	27cm	10	412012	ELY322

Try AQUACEL™ SURGICAL and AQUACEL™ Ag SURGICAL cover dressings in your protocol of care and discover the difference[1]

- Reduced superficial surgical site infection (SSI)
- Reduced skin blistering
- Reduced delayed discharge
- Reduced dressing changes
- Facilitates mobility

AQUACEL™ Ag SURGICAL
Hydrofiber® dressing with silver

AQUACEL™ SURGICAL
Hydrofiber® dressing

Other products from ConvaTec to help manage surgical wounds

Other ConvaTec products with patented Hydrofiber® Technology that may be used to manage:

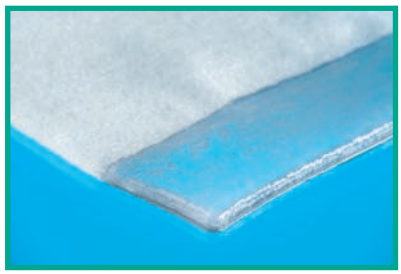
- Donor sites
- Drainage sites
- Excised abscesses
- Sinus tracts
- Pin and tube sites
- Open surgical incisions

AQUACEL™ dressing – A soft, sterile, highly conformable primary dressing that can be left in place for up to seven days. For moderately to highly exuding chronic and acute wounds. Available as a pad or ribbon dressing.

AQUACEL™ Ag dressing – Contains ionic silver to provide broad-spectrum antimicrobial activity inside the dressing.[14] Indicated for the management of infected wounds and wounds at risk of infection. Available as a pad or ribbon dressing.

See package inserts for complete indications and instructions for use.

AQUACEL™ dressing



AQUACEL™ Ag dressing

AQUACEL™ Ag Ribbon dressing with Strengthening Fiber

References

1. Clarke JV, Deakin AH, Dillon JM, Emmerson S, Kinninmonth AWG. A prospective clinical audit of a new dressing design for lower limb arthroplasty wounds. *J Wound Care.* 2009;18(1):5-11. **2.** Laboratory Test Comparison of AQUACEL® Surgical Dressing 'New Design' and the Jubilee Method of Dressing Surgical Wounds. WHRI3264 TA180. October 7, 2009. Data on file, ConvaTec. **3.** Ravenscroft MJ, Harker J, Buch KA. A prospective, randomised, controlled trial comparing wound dressings used in hip and knee surgery AQUACEL® andTegaderm versus Cutiplast. *Ann R Coll Surg Engl.* 2006;88:18-22. **4.** Harle S, Korhonen A, Kettunen JA, Seitsalos S. A randomized, clinical trial of two different wound dressing material for hip replacement patients. *J. Orthop Nurse.* 2005:9:205-210. **5.** Leaper D, Synder RJ. The complex issue of wound infection. In: Advancing Your Practice: Understanding Wound Infection and the Role of Biofilms. Association for the Advancement of Wound Care; 2008:5-9.http://www.aawconline.org/pdf/International%20Publication%20Final%203.11.08.pdf. Accessed May 26, 2009. **6.** Hulten L. Dressings for surgical wounds *Am J Surg.* 1994; 167(suppl1A):42S-45S. **7.** Walker M, Hobot JA, Newman GR, Bowler PG. Scanning electron microscopic examination of bacterial immobilisation in a carboxymethylcellulose (Aquacel) and alginate dressings. *Biomaterials.*2003; 24:883-890.8. **8.** Bowler PG, Jones SA, Davies BJ, Coyle E. Infection control properties of some wound dressings. *J. Wound Care.* 1999;8(10):499-502. **9.** Coutts P, Sibbald RG. The effect of a silver-containing Hydrofiber dressing on superficial wound bed and bacterial balance of chronic wounds. *Int. Wound J.* 2005; 2(4):348-356. **10.** Robinson BJ. The use of a Hydrofiber dressing in wound management. *J. Wound Care.* 2000; 9(1):32-34. **11.** Jones SA, Bowler PG, Walker M. Antimicrobial activity of silver-containing dressings is influenced by dressing conformability with a wound surface. *Wounds.* 2005;17(9):263-270. **12.** Armstrong SH, Brown DA, Hill E, Ruckley CV. A randomized trial of a new Hydrofiber® dressing,AQUACEL™, and an alginate in the treatment of exuding leg ulcers. Presented at: *5th European Conference on Advances in Wound Management;* November 21-24, 1995; Harrogate, UK. **13.** Kogan L,Moldavsky M, Szvalb S, Govrin-Yehudain J. Comparative study of AQUACEL™ and Silverol treatment in burns. *Ann Burns Fire Disasters.* 2004; 17(4):201-207. **14.** Hoekstra MJ, HermanMH, Richters CD, Dutrieux RP. A histological comparison of acute inflammatory responses with a Hydrofiber or tulle gauze dressing. *J. Wound Care.* 2002; 11(3):113-117. **15.** Jones SA, Bowler PG, Walker M, Parsons D.Controlling wound bioburden with a novel silver-containing Hydrofiber dressing. *Wound Repair Regen.* 2004; 12(3):288-294. **16.** Bowler PG, Jones SA, Walker M, Parsons D. Microbicidal properties of a silver-containing hydrofiber dressing against a variety of burn wound pathogens. *J Burn Care Rehabil.* 2004; 25(2):192-196. **17.** Bowler P. Progression toward healing: wound infection and the role of an advanced silver-containing Hydrofiber dressing. *Ostomy Wound Management.* 2003;49(suppl 8A):2-5. **18.** Driver VR. Silver dressings in clinical practice. *Ostomy Wound Management.* 2004; 50(suppl 9A): 11S-15S. **19.** Lansdown ABG. A review of the use of silver in wound care: facts and fallacies. *Br J Nursing* 2004;13(suppl):S6-S19.

Hydrofiber® TECHNOLOGY

Find out more about **AQUACEL™ SURGICAL** and **AQUACEL™ Ag SURGICAL** cover dressings visit **www.convatec.com** or call Helpline freephone:
UK: **0800 289 738**, ROI: **1800 946 938**

ConvaTec