

derma+flex[®]

gel adhesive



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Company Background

- *Chemence Medical is a division of the Chemence group*
- *Innovative pioneer in cyanoacrylate technology for medical use*
- *A world leader in medical cyanoacrylate devices and products*
- *Make Trufill Liquid Embolic for J&J which was the first cyanoacrylate to get FDA approval for internal use.*

History of Cyanoacrylates in Medicine

- 1949 First synthesis of cyanoacrylates*
- 1959 First clinical applications*
- 1970's Butyl cyanoacrylates become commercially available as tissue adhesives*
- 1990's Medical grade octyl cyanoacrylate adhesives and newer formulations more suitable for medical use*
- 2000's Dermabond® and Derma+Flex® launched in the USA*

Benefits of Topical Adhesives

<i>Technique</i>	<i>Advantages</i>	<i>Disadvantages</i>
<i>Sutures</i>	<i>Meticulous closure, greatest tensile strength</i>	<i>Removal, anaesthesia, greatest reactivity, cost, slow</i>
<i>Staples</i>	<i>Fast, low reactivity</i>	<i>Less meticulous</i>
<i>Tape Closure</i>	<i>Low reactivity, fast, patient comfort, no needles, cost</i>	<i>Lowest patient strength, cannot get wet or be used around hair</i>
<i>Tissue Adhesives</i>	<i>Fast, patient comfort, low reactivity, cost, no needles</i>	<i>Not suitable for all wounds</i>

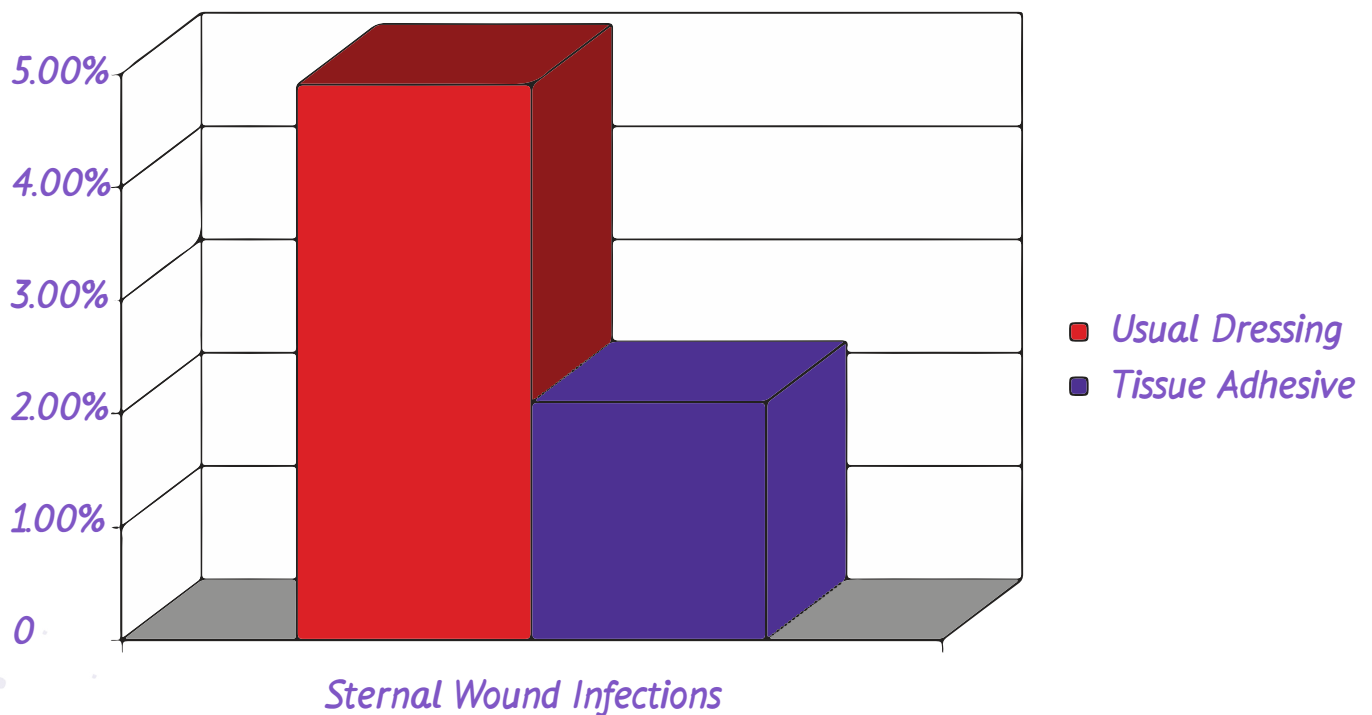


Tissue Adhesive Benefits

- *Easy and safe application*
- *Reduced patient trauma*
- *Superior wound closure*
- *Reduced infection potential*
- *Improved cosmetic outcome*
- *Speed of wound closure*
- *Follow up visit not necessary*
- *Waterproof barrier*
- *Cost Effective*



Topical Tissue Adhesives Decrease in Wound Infections

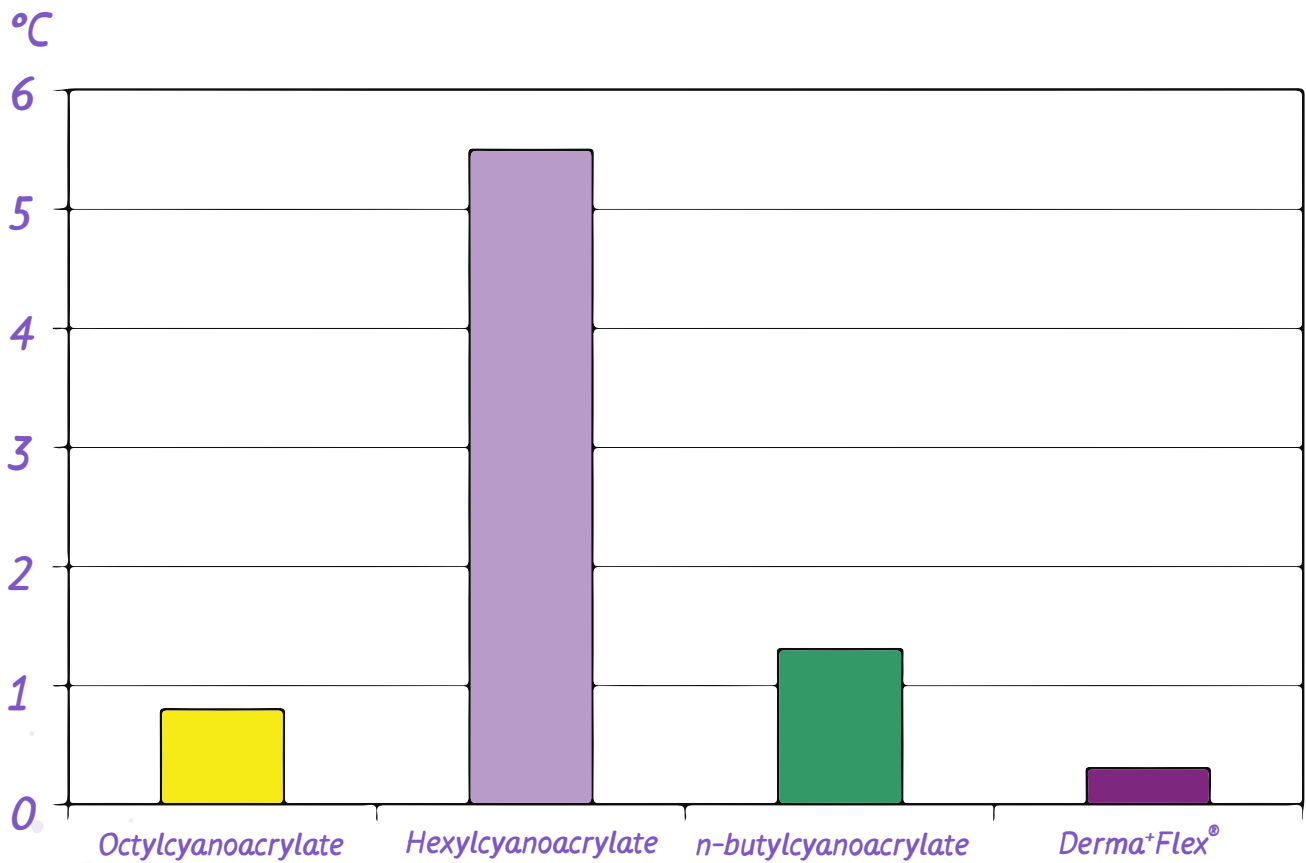


Medical Research January 2008 - 680 Patients

Derma+Flex[®] How it works

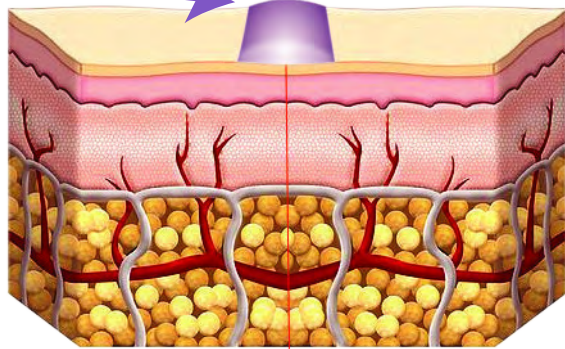
- *Octyl / Butyl CA Blend*
- *Length of side chain*
 - *Shorter the chain the more reactive and exothermic*
 - *Longer the chain the more flexible*
- *Flexibility of octyl and strength of butyl*
- *Less likely to crack and slough off prematurely*
- *Waterproof*
- *Does not require refrigeration*
- *Uses the skin's own chemistry to polymerise - does not burn the patient*
- *High Viscosity*

Heat of Polymerization



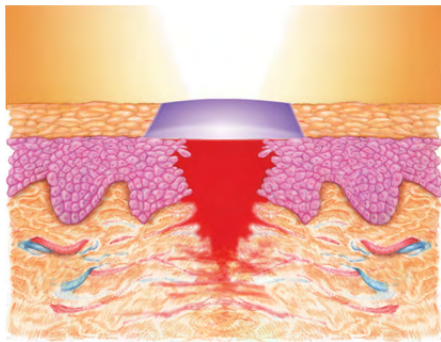
How Derma+Flex[®] Works

*Topical
Tissue Adhesive*

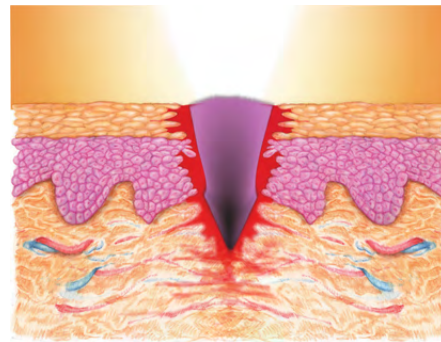


Derma+Flex[®] gel adhesive is applied topically over the wound creating a bridge bond over the wound edges. It seals the entire wound area and promotes healing by locking in the body's natural oils and moisture, a crucial part of the healing process.

Wound Healing



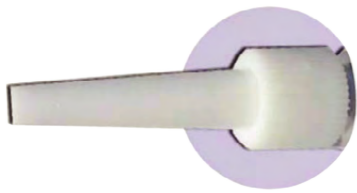
Derma+Flex[®]
Gel adhesive



*Other low viscosity
adhesives*

Derma+Flex[®] is a patented high viscosity gel adhesive. Its gel formulation is designed to avoid seeping of the adhesive around the wound edges into the wound to allow optimal wound healing.

Applicator Choice



*Derma+Flex[®] fine applicator
Allows fine applications where looks
(cosmetic issues) are considered*

*Derma+Flex[®] dauber tip
Allows a flow controlled application
to the surface, that provides a flexible
waterproof bandage*



Indications for Use

- *Easily approximated skin edges*
- *Areas of low skin tension*
- *Not on or near mucosal surfaces*
- *Not on wounds showing evidence of active infection or gangrene*
- *Wound must be clean, dry and haemostasis must have been achieved*
- *Can be used in conjunction with, but not in place of, deep dermal sutures.*
- *In line with local NHS Trust policy and wound treatment protocols*



Derma+Flex® vs Competition Comparison Chart



derma+flex® vs competition comparison chart



	<i>derma+flex</i> ®	Dermabond®	Indermil®	LiquiBand®	LiquiBand® Optima
Composition	60% Octyl, 40% Butyl	100% Octyl	100% Butyl	100% Butyl	10% Octyl, 90% Butyl
Flexibility	+++	+++	+	+	++
Strength	>30	10-30N	5-20N	5-20N	>30N
Viscosity	Non-drip gel	Low	Very Low	Very Low	Very Low
Application	Single layer	Apply in layers	Drip-on	Drip-on	Single layer
Pain on Application	Minimal	Significant	Minimal	Minimal	Minimal
Unit Size	0.7ml	0.5g	0.5g	0.5g	0.5g
Storage	Room Temp.	Room Temp.	Refrigeration	Refrigeration	Room Temp.

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Application and Result



Open wound



Treated with Derma+Flex[®]



Laceration at 3 months



Patient Care

- *Avoid excessive wetting*
- *Avoid topical medications*
- *Do not rub, scratch, or pick at the wound*
- *Protect the wound from prolonged sunlight exposure*
- *Check wound appearance*
- ***Derma+Flex**[®] will naturally slough off after the procedure as the dermal layer continues to grow*



Derma+Flex[®] the perfect solution

- *Controlled viscosity octyl/butyl blend*
- *Proprietary Applicator*
- *Provides a waterproof microbial barrier*
- *Sterile glue in a sterile package*
- *Strong and flexible*
- *Low exothermia*
- *No activator required uses skin chemistry to initialise cure*
- *Easy to use*
- *Store at room temperature*

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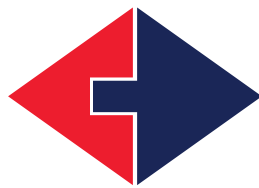
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Transdermal Medication Administration



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