

**STRONG,  
FLEXIBLE,  
DURABLE**



A high-viscosity topical skin adhesive designed for strength, flexibility, and durability.

***derma+flex***<sup>®</sup>  
TOPICAL SKIN ADHESIVE  
High Viscosity Medical Cyanoacrylate



## BENEFITS FOR MEDICAL STAFF

*derma+flex*<sup>®</sup> features a unique formula addressing both Operating Theater and A&E requirements. It sets within 60 seconds with virtually no exothermic effect whilst maintaining the high flexibility and bond strength of 2-octyl adhesives.

### ***We Have Medical Professionals in Mind***

Every aspect of our product and packaging has been designed to simplify application in the Operating Theatre or A&E environments. *derma+flex*<sup>®</sup> features

#### **+ INTUITIVE AND SAFE APPLICATION**

Our packaging promotes intuitive, safe, and precise handling. The dual applicator tips cater to different wound types and allow for multiple applications on a single patient. The lack of a glass vial in the packaging prevents medical professionals and patients from sharps related injuries.

#### **+ GREATER STRENGTH**

The chemical characteristics of *derma+flex*<sup>®</sup> ensure higher tensile strength than n-butyl based cyanoacrylate tissue adhesives.

#### **+ HIGH VISCOSITY**

*derma+flex*<sup>®</sup> is more viscous than the majority of available tissue adhesives on the market. The gel-like consistency means our formula stays in place and won't seep into the wound.

#### **+ SUTURE & STAPLE COMPATIBILITY**

*derma+flex*<sup>®</sup> is an ideal complement to sutures or staples. Apply deep dermal sutures or staples to close wounds and then cover the top of the wound with *derma+flex*<sup>®</sup> to provide a waterproof microbial barrier.

#### **+ HIGH FLEXIBILITY**

As *derma+flex* is a dual blend of octyl and n-butyl cyanoacrylates, it is more flexible and less prone to cracking than n-butyl based cyanoacrylate tissue adhesives. The result is a flexible film that better resists cracking and retains the skin bond for longer – lasting for up to 10 days.

#### **+ FASTER HEALING**

The formation of a strong, flexible and waterproof film sealing the wound promotes healing by shielding the wound from external dirt and bacteria and allows the patient to shower soon after application.

#### **+ FASTER SETTING**

The fast setting time of *derma+flex*<sup>®</sup> ensures convenient handling and patients' comfort. The adhesive sets fast enough to prevent migration from the wound and to create a strong skin-like cover with just one application.



Our unique blend of 60% 2-octyl cyanoacrylate and 40% n-butyl cyanoacrylate combines the most desirable properties of each adhesive and is perfectly engineered for operating theatre and A&E applications.

*derma+flex*<sup>®</sup> is also fast-setting and easy to apply. Our adhesive features a gel-like consistency that won't drip, run, or seep into wounds

*derma+flex*<sup>®</sup> is supplied complete with dual application tips.



## Product Benefits

### *For Medical Staff:*

- + Creates a Microbial Barrier
- + Easy to Apply
- + Suture 4-0 Strength
- + Highly Flexible
- + Suture & Staple Compatible
- + Sets within 60 Seconds

### *For the Patient:*

- + Waterproof, Shower-Friendly Formula
- + Painless Application
- + No Suture Removal
- + Minimal Exothermic Effect
- + Cosmetically Appealing

### *For the Hospital:*

- + Faster Wound Closure
- + Lower Cost
- + A&E Friendly
- + No Sharps Risk
- + Room Temperature Storage (No Refrigeration Required)
- + Safe & Reliable



OPEN WOUND

Wound has been cleaned and haemostasis achieved



TREATED WOUND

The wound edges have been approximated and dermaflex applied to the closed wound



HEALED WOUND

3 months later, the healed wound is virtually invisible



## BENEFITS FOR THE PATIENT



### *We Have Patients in Mind*

#### + MICROBIAL BARRIER

Medical cyanoacrylate skin adhesives create a microbial barrier, sealing the wound\*.

#### + SHOWER-FRIENDLY FORMULA

When treated with *derma+flex*<sup>®</sup>, patients can shower soon after the wound closure procedure. This enhances overall patient satisfaction as their daily routines are not affected.

#### + ELIMINATE EXTERNAL SUTURE REMOVAL

For many minor wounds, *derma+flex*<sup>®</sup> adhesive can spare patients the discomfort of suturing. *derma+flex*<sup>®</sup> adhesive increases patient convenience by eliminating the return visit for suture removal. The adhesive will naturally slough off as the wound heals.

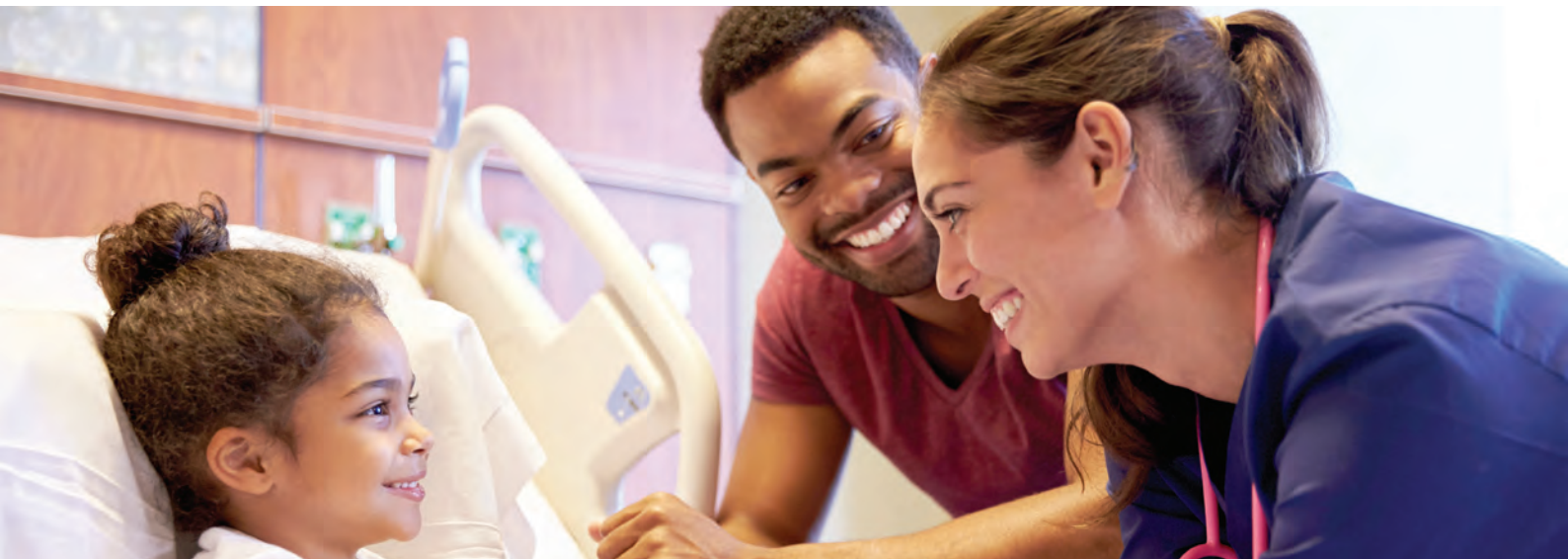
#### + MINIMAL EXOTHERMIC EFFECT

*derma+flex*<sup>®</sup> is virtually free from the exothermic effect, meaning patients won't feel a temperature increase as the adhesive sets on the skin. This makes *derma+flex*<sup>®</sup> an optimal solution for the A&E environment, where wounds can be closed without anesthesia or the presence of a surgeon, even when dealing with the delicate skin of children.

#### + COSMETICALLY APPEALING

With *derma+flex*<sup>®</sup>, surgeons can close the edges of the wound evenly at its full length. The waterproof, flexible, crack free barrier created by *derma+flex*<sup>®</sup> remains intact for the entire healing time. No additional wounds or pressure points are created in the skin, which may result in a better cosmetic appearance.

\* Supporting documentation may be found on our website [www.chemencemedical.com](http://www.chemencemedical.com) using the "more about dermaflex" button





# The Future of Skin Adhesives



## How *derma+flex*<sup>®</sup> Works:

*derma+flex*<sup>®</sup> is the perfect solution for the topical closure of surgical incisions and minor traumatic incidents.

Our formula self activates upon contact with skin after application. Once applied to the wound, *derma+flex*<sup>®</sup> quickly polymerises in reaction to the chemistry of the skin, creating a strong-but-flexible microbial barrier.

Applied topically over a wound or incision *derma+flex*<sup>®</sup> creates a bond which bridges the edges forming a strong, flexible seal. *derma+flex*<sup>®</sup> cures to form a waterproof, flexible film which will stay on the skin for up to 10 days, protecting the wound or incision from external dirt and bacteria.

*Easily approximated wounds from surgical incisions\* such as:*

- + Nephrectomy
- + Thyroidectomy
- + Laparoscopic procedures
- + Partial mastectomy / mastectomy
- + Colorectal surgery
- + Abdominal surgery
- + Urology procedures
- + Hepatectomy
- + C-section
- + Orthopaedic procedures

*\*derma+flex<sup>®</sup> may be used in conjunction with, but not in place of, deep dermal sutures.*

## How to Use *derma+flex*<sup>®</sup>

- 1 Attach the selected application tip to the tube.
- 2 Squeeze the tube to prime the applicator until the violet-dyed adhesive colours the tip or sponge.
- 3 Approximate the wound edges and thinly spread the adhesive over the wound site.
- 4 Take care not to apply the adhesive too thickly (no violet colour should be visible) as this will increase the cure time.
- 5 Hold the approximated wound edges together for 60 seconds to allow the adhesive to cure.



## BENEFITS FOR THE HOSPITAL

*derma+flex*<sup>®</sup> is the topical skin adhesive of choice for thousands of hospitals worldwide due to its cost effectiveness, versatility and ease of use in both surgical and A&E environments.

### *We Have Hospitals in Mind*

#### + **FASTER WOUND CLOSURE**

It is estimated that wound closure procedures, performed with the use of topical skin adhesive rather than sutures, take on average 50-60% less time\*.

#### + **LOWER COST**

Faster wound closure procedures, reduced use of anaesthesia, fewer hospital staff involved per procedure and a lower percentage of post-operative complications. In addition, there is no need for the patient to re-visit the hospital for suture removal. All the above add up to savings for the hospital.

#### + **A&E FRIENDLY**

Minimal exothermic effect combined with the surgical strength of the bond makes *derma+flex*<sup>®</sup> fit for both Operating Theatre and A&E applications.

#### + **NO GLASS IN PACKAGING**

Numerous competitive topical skin adhesives use glass vials, which need to be broken prior to the application of the adhesive to the skin. This form of packaging may become a sharps risk, as the glass shards can perforate protective gloves. In 2017 alone, 120 such cases were reported to regulatory authorities\*.

#### + **ROOM TEMPERATURE STORAGE**

In addition, unlike many competitive products, *derma+flex*<sup>®</sup> can be stored in ambient temperature of up to 30° C, making refrigeration unnecessary.

\* Supporting documentation may be found on our website [www.chemencemedical.com](http://www.chemencemedical.com) using the "more about dermaflex" button.



**CHEMENCE<sup>®</sup>**  
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**A High Viscosity Tissue Adhesive Like No Other!**



**IMPROVED APPLICATOR**

The new derma-flex QS applicator is perfectly suited to ensure the adhesive makes good contact with the patient's skin.

**AND...**

Creates a perfect seal that is smooth on the skin each and every time.

**2-OCTYL FORMULATION**

- Optimal Flexibility with 2-Octyl Formulation
- No Cracking or Breaking

**QUICK DRYING**

- Polymerizes (dries) quickly, usually within 60 seconds

**PAINLESS APPLICATION:**

- No sting or burn

**WATERPROOF FORMULA**

- Prevents water from reaching the wound
- Allows your patient to shower within hours of their surgery

**HIGH VISCOSITY**

- Syrup-like Viscosity at ~ 150cps
- Does not run or drip when applied correctly
- The perfect choice for vertical surface applications

**MICROBIAL BARRIER**

- Protects the affected area by preventing bacteria from penetrating the protective barrier, greatly reducing the likelihood of infection\*

**MULTIPLE USES ON A SINGLE PATIENT**

- Full size product (0.7 g)

**EASY TO USE**

1. Screw on applicator tip
2. Express desired amount of adhesive

\*As long as adhesive is kept intact

# derma+flex<sup>®</sup> QS<sup>™</sup>

high viscosity tissue adhesive

## DIRECTIONS FOR USE

### STEP 1:

The incision or trauma site must be clean and dry before applying adhesive. Ensure that the wound edges are easily approximated.

### STEP 2:

Screw the Applicator Tip onto the threaded tube in a clockwise direction until the applicator is tight and seated on the tube. The applicator will puncture the foil membrane on the tube once seated and adhesive will be allowed to flow.

### STEP 3:

While holding the tube upright and away from patient, squeeze the tube from the bottom moving the adhesive upward until it becomes visible on the applicator surface and is flowing freely.

### STEP 4:

While approximating skin edges, apply adhesive over the entire wound site. Move the flat surface applicator in a back and forth motion until adhesive has created a smooth and even coat covering the entire wound site.

### STEP 5:

Continue to hold the wound edges in approximation until the adhesive becomes tacky. Typically less than 20 seconds.

### STEP 6:

Once adhesive has completely polymerized (non-tacky) you may cover the site with a secondary bandage. If a secondary bandage is used, DO NOT apply to the adhesive area until it is completely tack free. Applying while tacky may result in adhesive removal when removing secondary bandage and possibly dehiscence of the wound site.

### STEP 7:

Discard adhesive device according to normal protocol after use.

