

exofinfusion[®]

SKIN CLOSURE SYSTEM



Surgeons' Complaints with Skin Closure Systems

Blistering
of the Skin

Allergic
Reactions

Skin
Tears

exofin fusion[®] Solution:



Initiator
Free Mesh



21-day
Microbial Barrier*



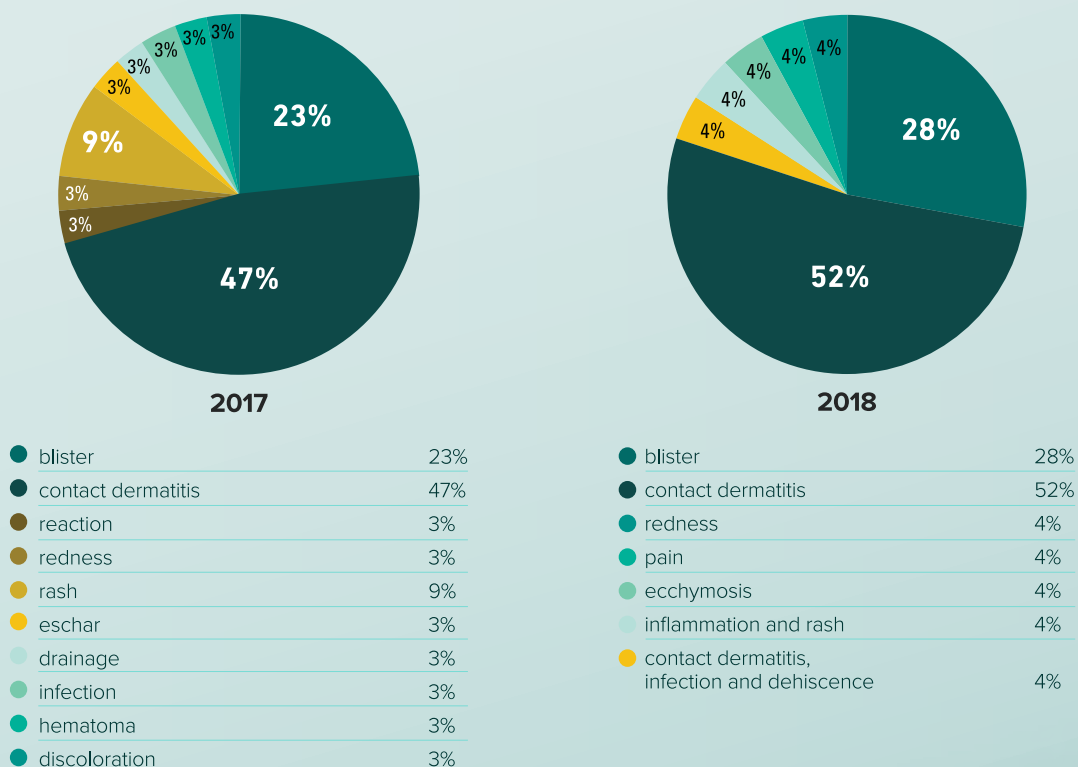
Curved to Reduce
Skin Tension

FDA Maude Database Reporting

After separating out the MAUDE database reports, blistering is a significantly larger issue with mesh + adhesive type devices than with the topical skin adhesive devices. Blisters are reported as co-symptoms for both skin closure systems and topical skin adhesives, mainly alongside contact dermatitis for both device types.

Standalone blistering is reported more consistently as an adverse event with skin closure systems (>20% of reports in 2017 and 2018). The major differences between the two devices are the addition of a polyester mesh AND where the accelerant is located within the device.*

Medical Conditions Where Blisters Were Reported



It Starts with the Mesh

Initiator Free Mesh for Less Patient Exposure.

Exofin fusion[®] skin closure system removes all initiators from the mesh itself to reduce patient exposure. Instead, the initiator is delivered with the polymerized adhesive.

Extracted samples showed a **61% REDUCTION**^{*} in the amount of initiator that the patient could be exposed to.

Improved Closure Strength^{*}

The new mesh pattern has larger openings which allow more adhesive to flow through the mesh and on to the patient's skin. The more open design will allow the adhesive to create a stronger bond on the skin and keep the mesh secure and in place for the desired amount of time.

Unlike our competition, the **exofin fusion**[®] adhesive will polymerize (dry) on the patient's skin therefore there is no need to wipe off the excess. Care should be given to adhere the mesh edges to the surrounding skin creating a waterproof barrier while intact.

Lastly, measured amounts of adhesive have been added to the kit providing just the right amount of adhesive for each size of mesh.



Actual **exofin fusion**[®] patient



^{*}Data available upon request.

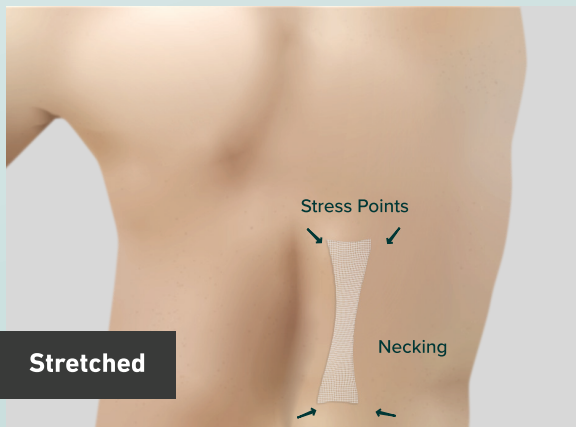
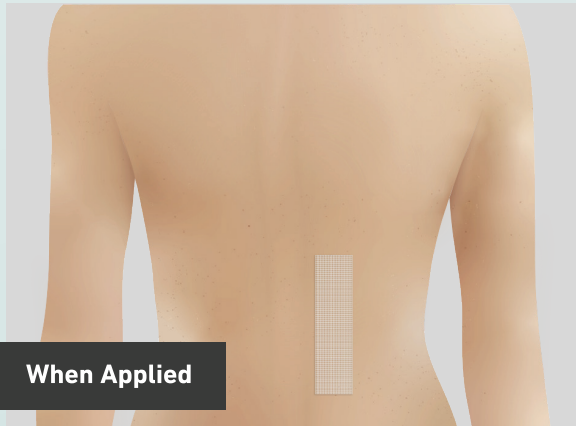
Reducing Skin Stress and Strain

The traditional design of skin closure systems lend themselves to stress between the highly elastic skin and the rigid polyester mesh. Straight lines can cause friction to occur where stress points are located, and are typically in the four corners.

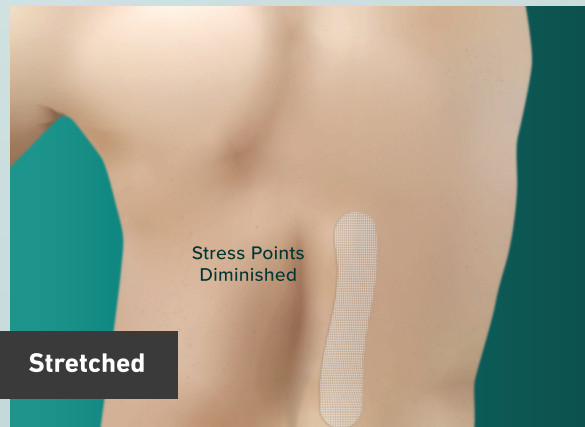
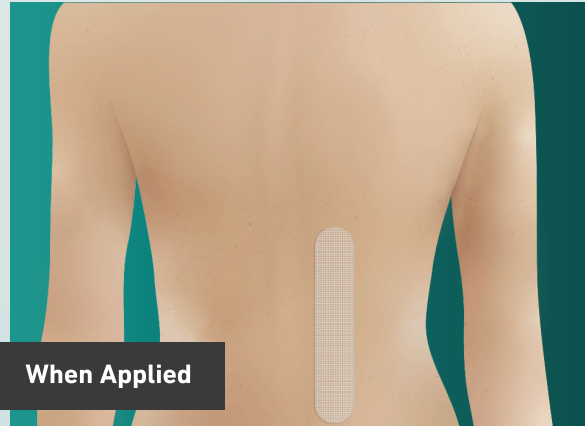
The shape of the **exofin fusion**[®] mesh features curved ends. This reduces the area that is under stress and dissipates the friction and force across the entirety of the material.

► MESH UNDER STRESS

Traditional Design



Curved Mesh Design



21-Day Microbial Barrier

- ✓ Exofin fusion[®] skin closure system provides a 21 day microbial barrier*
- ✓ The longest in the industry

*Effective as long as mesh system remains fully intact

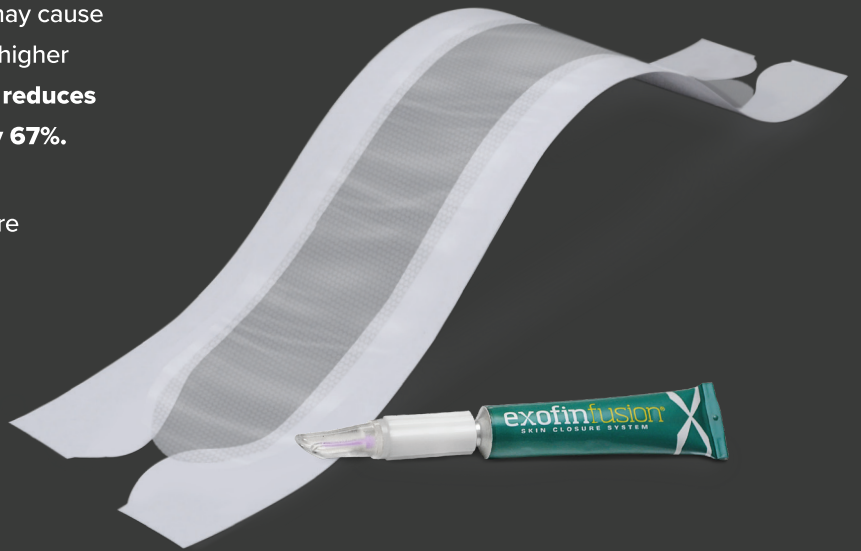
The Shape of Things to Come

Introducing exofin fusion® Curved Mesh

The rectangular shape of competitive products may cause skin damage sooner under cyclic loading due to higher forces and stresses. The shape of **exofin fusion®** reduces the area for potential damage due to stress by **67%**.

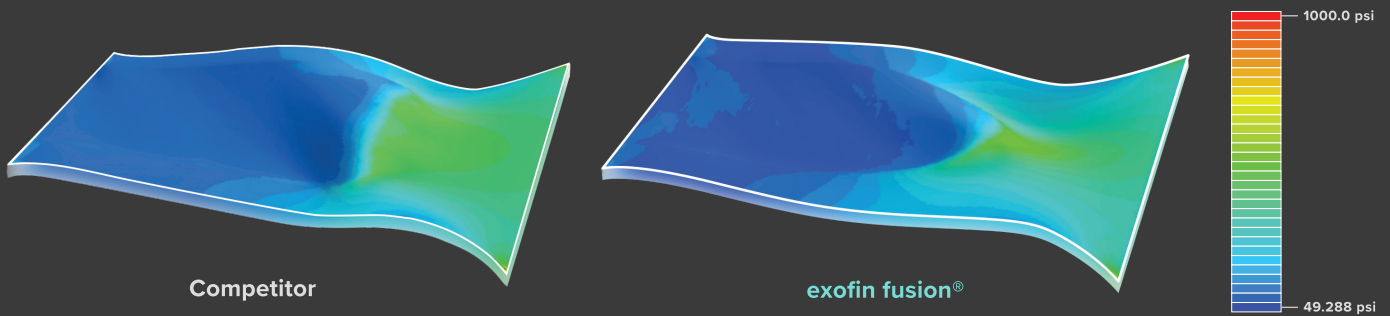
Tissue subjected to the stresses in these areas are susceptible to skin damage.

The curved shape dissipates the stress throughout the entire mesh patch as opposed to a specific stress point such as a corner, or across the top or bottom.



Substantial Reduction in Skin Stress*

Strain = 33.3% (Model Length 152.44mm)




	Competitor	exofin fusion®	REDUCTION (%)
High Stress Area (mm ²)	1258	417	66.8%
Max Stress (psi)	933	730	21.8%
Total Force (lbf)	1913	1095	42.8%

*Content provided by D&D Innovative Research (DDIR) LLC, 7/29/2019.



Unique 30cm Mesh Length

- Longer 30cm mesh which is ideal for the orthopedic area of the hospital. Great for use on **Total Knee Replacement** procedures.
- Blisters can occur when mesh is too short for the patient, especially obese patients.
- Longer length mesh gives enough slack at both the proximal and distal ends to reduce force on skin when at 90-degree angle during rehab.
- Longer length mesh eliminates the need to use multiple 22cm devices.
- No cutting and overlapping required when adding additional mesh strip.
- Cost savings versus 42cm and 60cm.

 *Contact your local representative for evaluation samples.*

ORDER INFORMATION

Use the guide below to see specific information on the complete Chemence Medical line of products. To complete your order, call or email one of our Chemence Medical, Inc. Support Representatives at **844-633-4583** or customerservice@chemencemedical.com.

PRODUCT CODE #	PRODUCT DESCRIPTION	CONTENTS	DIMENSIONS	CUBE	WEIGHT
		(Quantity)	(LxWxH)	(FT ³)	(LBS/OZ)
exofin fusion[®] Skin Closure Systems					
EF70406	exofin fusion [®] Skin Closure System 6cm	6 Systems	5.6" x 5.7" x 4"	0.068	0.48 lb
EF70401	exofin fusion [®] Skin Closure System 22cm	2 Systems	13.125" x 4.125" x 4.5"	0.141	0.4 lb
EF70430	exofin fusion [®] Skin Closure System 30cm	2 Systems	13.125" x 4.125" x 4.5"	0.141	0.4 lb
EF70466	exofin fusion [®] Skin Closure System 60cm	2 Systems	13.125" x 4.125" x 4.5"	0.141	0.4 lb
exofin[®] High Viscosity Topical Skin Adhesives					
EP70412	exofin [®] Precision Pen 1mL	12	7.89" x 5.56" x 2.56"	0.066	0.7 lb
EX71010	exofin [®] Micro 0.5mL	10	5.25" x 2.25" x 2.56"	0.018	0.2 lb
exofin[®] Mastic					
EM80148	exofin [®] Mastic Ampoules 0.67mL	48	6.25" x 3.75" x 3.125"	0.042	7.5 oz
EM81512	exofin [®] Mastic Bottle 1oz	1	3.5" x 1.25" x 1.25"	0.0032	1.484 oz
EM80212	exofin [®] Mastic Bottle with Sprayer 2oz	1	5.75" x 1.75" x 1.5"	0.0087	2.892 oz
GluGone[®] Adhesive Remover					
GG80148	GluGone [®] Ampoules 0.67mL	48	6.25" x 3.75" x 3.125"	0.039	7.5 oz
GG80212	GluGone [®] Bottle with Sprayer 2oz	1	5.75" x 1.75" x 1.5"	0.0087	2.892 oz
GG80412	GluGone [®] Bottle 4oz	1	5.25" x 1.75" x 1.75"	0.0093	2.779 oz

To Place an Order:

 customerservice@chemencemedical.com  844-MED-GLUE (633-4583)  1121 Alderman Drive, Alpharetta, GA 30005



chemencemedical.com

All Contents © Copyright 2023 Chemence Medical, Inc. All rights reserved.

No modification or use, or further reproduction or copying, of any of the content is authorized without the express consent of Chemence Medical, Inc.