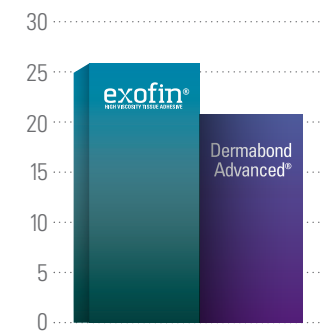


Comparison with Dermabond®

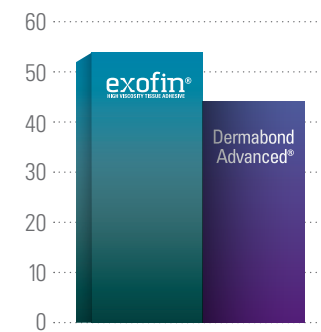
THE BAR HAS BEEN PERMANENTLY RAISED AND THE COMPETITION DIDN'T MAKE IT.

Tensile Strength



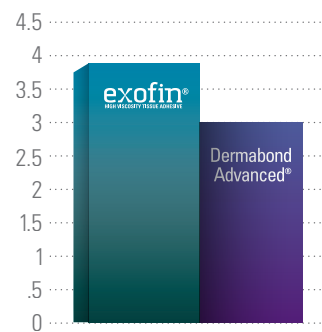
ASTM F2258-05*
Measurement = PSI

Lap Shear



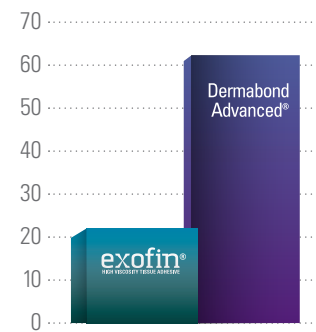
ASTM F2255-05*
Measurement = PSI

Wound Closure



ASTM F2458-05*
Measurement = Pounds Force

Average Cure Speed



Tack Free Time*
Measurement = In seconds

*Data on file

Directions for Use



2

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



3

- While holding the tube upright and away from the patient, gently squeeze the tube from the bottom, moving the adhesive upward until it becomes visible through the applicator device.



4

- While approximating skin edges, apply adhesive to the wound site by squeezing the aluminum tube gently and continuously in a back and forth motion while spreading over wound site.
- Continue to hold the wound edges in approximation until the adhesive becomes tacky. Typically less than 20 seconds. A smooth and even coat of adhesive is desirable.



5

- 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.
- Discard adhesive device according to normal protocol after use.



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Chemence Medical, Inc.
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THE GRAND FINALE IN WOUND CLOSURE



THE FUTURE IS HERE

exofin
HIGH VISCOSITY TISSUE ADHESIVE

Exofin® High Viscosity Tissue Adhesive

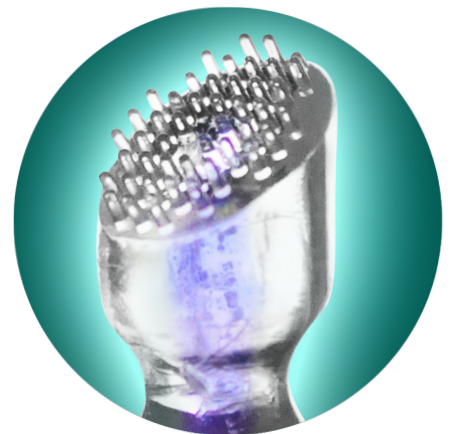
ABOUT

[exo·fin] **exo-** "Outer, outside, exterior, exoskeleton"
-fin "Finished, completed, finality"

After spending more than two years observing and talking to healthcare professionals throughout all departments of hospitals across America, it became clear that no single topical adhesive had all of the attributes that mattered most. Chemence Medical has combined your feedback with the very best R&D department in the USA and created a topical skin adhesive that delivers on all of the requirements you asked for. We are excited to introduce the next generation of topical skin adhesive, Exofin® High Viscosity Tissue Adhesive.



JEFF ROBERSON
 President, Chemence Medical, Inc.



The Exofin® Advantage

YOU SPOKE, WE LISTENED.



FAST

- Fastest polymerizing 2-octyl topical adhesive on the market today*
- So fast, you can actually see the glue "dry" before your eyes
- Average set times are less than 30 seconds



STRONG

- 2-Octyl formulation is proven to be the strongest and most flexible adhesive available**
- Provides a microbial barrier creating a protective barrier against clinically relevant pathogens, including MRSA†
- Added flexibility allows the adhesive to remain intact for 7 - 10 days
- The high viscosity formulation (highest in the industry*) is intended to reduce the risk of adhesive migration away from the wound site



INNOVATIVE

- Soft and Flexible Applicator glides across uneven surfaces while the soft bristles ensure the adhesive creates a solid seal on skin
- Transparent Tip allows user to see the adhesive prior to expression, therefore eliminating the "surprise" of too much glue being dispensed all at once



EASY TO USE

- Simple Concept: Screw on applicator tip and begin to express adhesive
- Apply as much or as little adhesive as needed. Apply a single coat or multiple coats. It's all at the discretion of the Provider. No matter how it is applied, you will get the same great results each and every time!



VALUE

- 1ml tube fill offers users the highest volume per device available on the market today
- 25% more adhesive than the largest tissue adhesive available
- 43% more adhesive than Dermabond Advanced®
- 150% more than Dermabond® Mini or Skin Affix®
- Decreases unit volume, thus adding cost savings per procedure

THE ONLY TOPICAL SKIN ADHESIVE THAT CHECKS ALL THE BOXES.

Brand Name	Liquiband®	SwiftSet®	SurgiSeal®	SurgiSeal® Twist	Skin Affix®	Liquiband® Octyl	McKesson Liquiband® Exceed	Dermabond Advanced®	Dermabond® Mini	Exofin®
FDA 510k Name	Liquiband Flow Control	Liquiband Flow Control	SurgiSeal	SurgiSeal Stylus	Barle Tissue Adhesive 2	Barle Tissue Adhesive 2	Barle Tissue Adhesive 2	Dermabond NX	Dermabond NX	Exofin HV Tissue Adhesive
Premarket Submission #	K122446	K122446	K082993	K130474	K132243	K132243	K132243	K100423	K100423	K152476
Manufacturer	Advanced Medical Solutions	Advanced Medical Solutions	Adhezion Biomedical	Adhezion Biomedical	Advanced Medical Solutions	Advanced Medical Solutions	Advanced Medical Solutions	Ethicon, Inc.	Ethicon, Inc.	Chemence Medical, Inc.
Distributor	Cardinal Healthcare	Covidien Ltd	Medline Industries	Medline Industries	Medline Industries	Cardinal Healthcare	McKesson	Ethicon, Inc.	Ethicon, Inc.	Chemence Medical, Inc.
Distributed by Manufacturer	—	—	—	—	—	—	—	✓	✓	✓
Composition/Active Monomer	n-butyl	n-butyl	2-Octyl	2-Octyl	2-Octyl	2-Octyl	2-Octyl	2-Octyl	2-Octyl	2-Octyl
Size (Fill)	.7ml	.8ml	.36ml	.5ml	.4ml	.8ml	.8ml	.7ml	.4ml	1.0ml
Viscosity**	~ 5 cPs	~ 5 cPs	~ 13 cPS	~ 13cPs	~ 59 cPs	~ 59 cPs	~ 59 cPs	~ 266 cPs	~ 266 cPs	~ 450 cPs
Polymerization Time < 1 Min**	✓	✓	—	—	—	—	—	—	—	✓
Flexible on Skin	—	—	✓	✓	✓	✓	✓	✓	✓	✓
Waterproof	*	*	✓	✓	✓	✓	✓	✓	✓	✓
Microbial Barrier	*	*	✓	✓	✓	✓	✓	✓	✓	✓
Transparent Applicator	—	—	—	—	—	—	—	✓	✓	✓
Flexible Applicator Tip	—	—	—	—	—	—	—	—	—	✓

* n-butyl monomer is prone to crack and break on skin thus compromising waterproof and microbial barrier
 ** Data on file



Sources: *Data on file ** Singer AJ, et al. Comparison of wound-bursting strengths and surface characteristics of FDA-approved tissue adhesive for skin closure. J Adhes Sci Technol. 2004; 18:10-27† Data on file: Exofin® was tested in vitro to demonstrate that it acts as a barrier to clinically relevant organisms including Methicillin Resistant S. aureus (MRSA), E. coli, P. aeruginosa, S. epidermidis and Aspergillus brasiliensis.

exofinfusion[®]

SKIN CLOSURE SYSTEM



IT STARTS WITH THE MESH

Initiator free mesh for less patient exposure.

exofin fusion® 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.

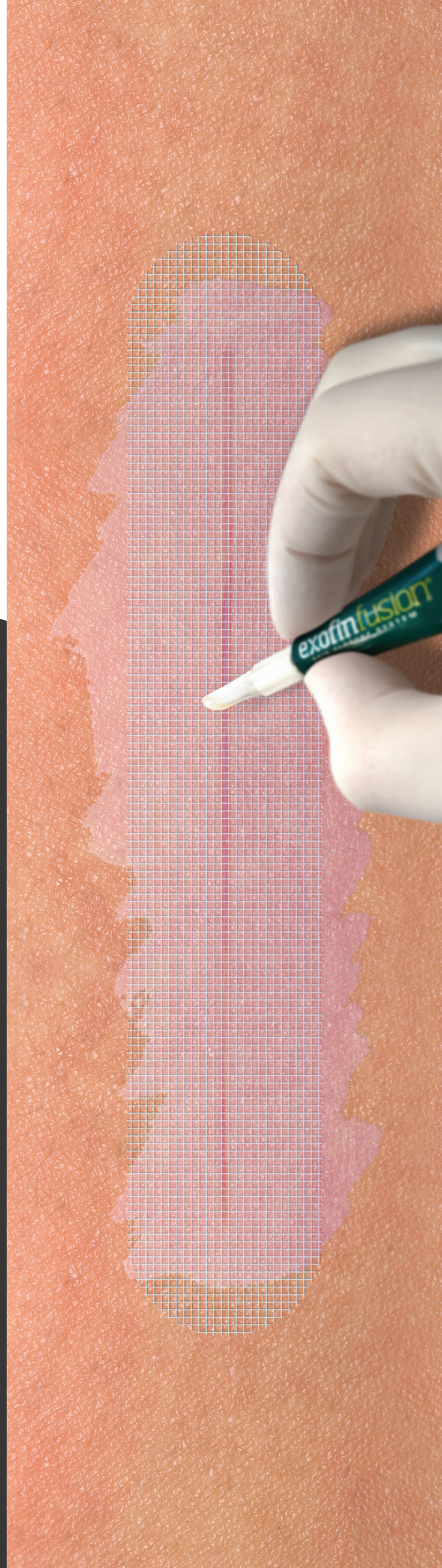


KEEPING MESH ON THE SKIN

The exofin fusion® 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 allows 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 the competition, the exofin fusion® adhesive will polymerize (dry) on the patient's skin even if it is not directly on the mesh. This eliminates the need to clean up the wet adhesive that tends to get on surrounding areas during application.

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

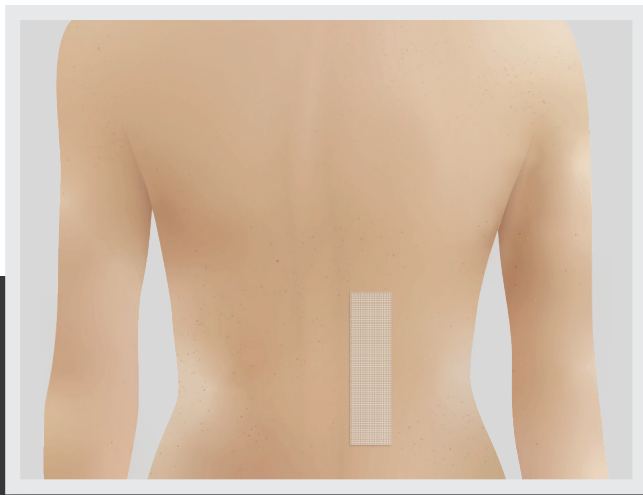


REDUCING SKIN STRESS & STRAIN

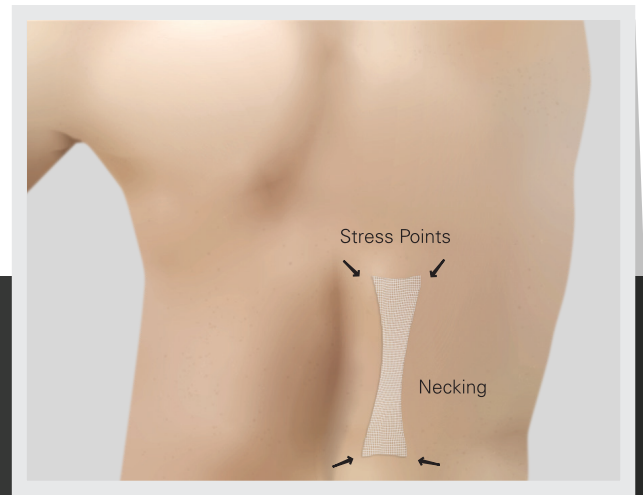
The traditional design of skin closure systems lend themselves to stress between the highly elastic skin and the rigid polyester mesh. Straight lines can cause friction to occur where stress points are located, and are typically in the four corners.

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

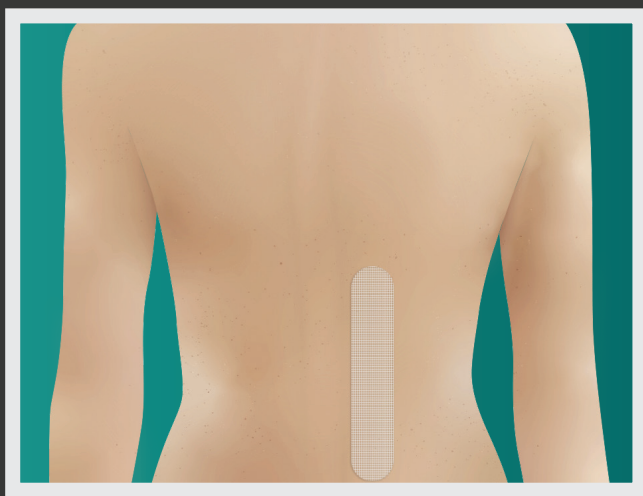


When Applied

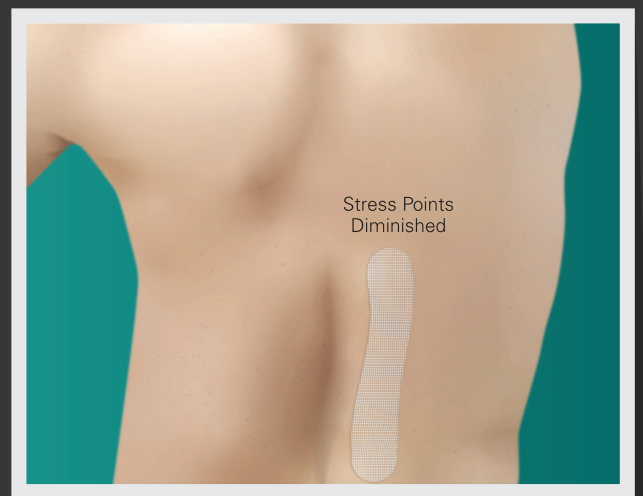


Stretched

Mesh Under Stress - Curved Mesh Design



When Applied



Stretched

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%**.

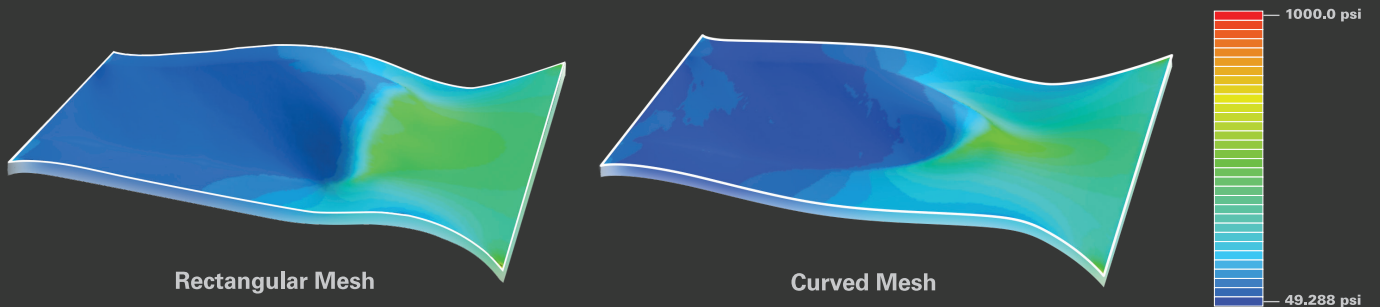
Tissue subjected to the stresses in these areas are susceptible to skin damage.

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)



	RECTANGULAR MESH	CURVED MESH	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.

NEW PRODUCT

exofin fusion® 30cm

Longer 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 mesh gives enough slack at both the proximal and distal ends to reduce force on skin when at 90-degree angle during rehab.

Longer mesh eliminates the need to use multiple 22cm devices.

No cutting and overlapping required when adding additional mesh strip.

Cost savings versus 60cm.

Contact your local representative for evaluation samples.



ORDER INFORMATION

PRODUCT CODE #	PRODUCT DESCRIPTION	CONTENTS	DIMENSIONS	CUBE	WEIGHT
		(Quantity)	(LxWxH)	(FT ³)	(LBS/OZ)
Skin Closure System					
M1222	exofin fusion® Skin Closure System 22cm	2 Systems	13.125 x 4.125 x 4.5	0.141	0.4 lb
M1230	exofin fusion® Skin Closure System 30cm	2 Systems	13.125 x 4.125 x 4.5	0.141	0.4 lb
M1244	exofin fusion® Skin Closure System 60cm	2 Systems	13.125 x 4.125 x 4.5	0.141	0.4 lb



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exofin[®] PRECISION PEN

High Viscosity Topical Skin Adhesive



Design Innovation for Precise Application

Every patient is different. Every procedure is unique. For effective wound closure and optimal healing, the skin adhesive needs to be applied with precision — regardless of the wound size or location. To achieve the level of control necessary to close even the most delicate procedures, the adhesive applicator should be natural to hold, safe to operate, and easy to use.



With its glass-free, ergonomic design, multiple application options, variable flow rate, and industry leading highest viscosity, the exofin® Precision Pen enables medical professionals to apply the industry's most advanced skin closure adhesive safely and efficiently — with adaptable precision.

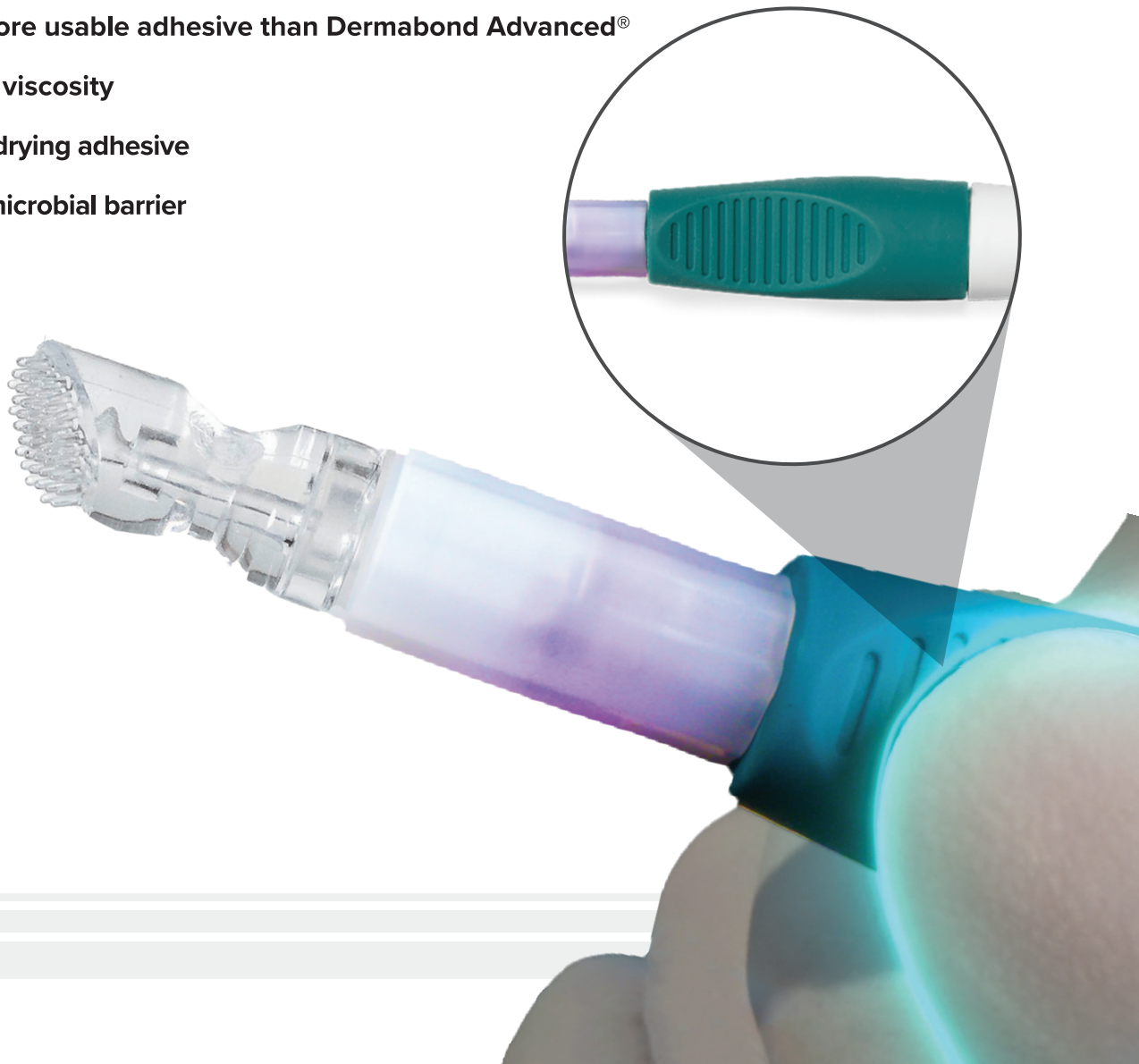
Along with exceptional comfort and control, the Precision Pen also features the fastest drying adhesive and a 14-day microbial barrier with long-lasting protection.

exofin[®] PRECISION PEN

THE PERFECT LINE EVERY TIME

FEATURES & BENEFITS

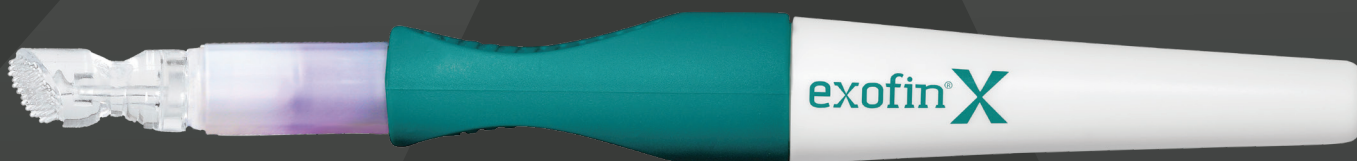
- Ergonomic design with grooved, non-slip surface
- Pressure-controlled, variable adhesive flow rate
- See-through activation chamber for easy viewing
- 152% more usable adhesive than Dermabond Advanced[®]
- Highest viscosity
- Fastest drying adhesive
- 14-day microbial barrier



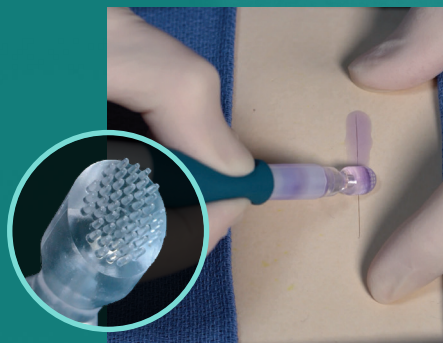
Performance Comparison

TEST METHOD	exofin [®] PRECISION PEN	DERMABOND [®] ADVANCED [®]	LIQUIDBAND [®] EXCEED [™]	LIQUIDBAND [®] RAPID [™]	LIQUIDBAND [®] FLOW CONTROL/ SWIFTSET [™]
510K Number	K212246	K152096	K151182	K183570	K122446
Compositional Analysis	100% 2-OCA	100% -OCA	100% 2-OCA	100% 2-OCA	100% n-BCA
Tensile Strength (MPa)	0.227	0.224	0.167	0.147	0.188
Wound Closure Strength (N)	17.24	15.97	8.82	13.46	10.59
Heat of Polymerization ($\Delta^{\circ}\text{C}$)	5.49	9.02	2.33	7.5	3.17
Cure Time (sec)	56	91	*	47	*
Viscosity	351 cP	262 cP	63 cP	40 cP	5 cP
Adhesive Expression (g)	0.634	0.252	0.2088	0.2999	0.2117
Flexibility [*] (# of cycles to failure)	300	117	277	145	1

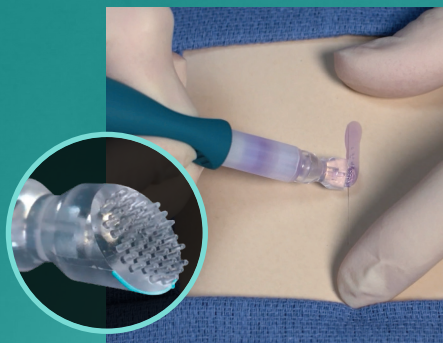
* application dependent



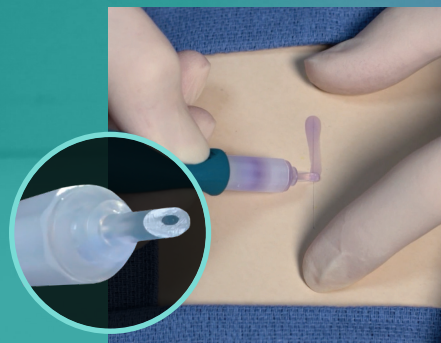
THREE APPLICATIONS FOR VERSATILE CLOSURE



**Micro-Bristle Brush for
Wide Coverage**



**Inverted Brush for
Narrow Lines**



**Angled Precision Tip
for Micro Lines**

The exofin Precision Pen is the only pen-style applicator on the market with a variable flow rate and an adjustable tip that allows the user to control the adhesive width. Every aspect of this innovative applicator is designed to improve clinician control and patient outcomes.



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Medical**

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