SAM CHEST SEAL TRAINING

SAM® MEDICAL

SAM®
MEDICAL

WHY WE NEED CHEST SEALS

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Open chest wounds, specifically Tension Pneumothorax are the leading cause of potentially survivable battlefield deaths.

WHAT IS AN OPEN CHEST WOUND?

WHY WE NEED CHEST SEALS

Open chest wounds, specifically Tension Pneumothorax, are the leading cause of potentially survivable battlefield deaths.

A valved chest seal should cover and protect the open chest wound while not preventing potentially lethal pressure from escaping the pleural space.

1. Eastridge BJ, Mabry RL, Seguin P, Cantrell J, Tops T, Uribe P, Mallett O, Zubko T, Oetjen-Gerdes L, Rasmussen TE, Butler FK, Kotwal RS, Holcomb JB, Wade C, Champion H, Lawnick M, Moores L, Blackbourne LH. Death on the battlefield (2001-2011): implications for the future of combat casualty care. J Trauma Acute Care Surg. 2012 Dec;73(6 Suppl 5):S431-7.

2. Holcomb JB, McMullin NR, Pearse L, et al. Causes of Death in U.S. Special Operations Forces in the Global War on Terrorism: 2001–2004. Annals of Surgery. 2007;245(6):986-991.

SAM CHEST SEAL

https://www.youtube.com/watch?v=H4RRmzJrsB0

ENGINEERED TO PRESERVE LIFE

ALL ENVIRONMENTS MIL STD 810 G PROVEN

MADE IN AMERICA

SHELF LIFE 6 YEARS

ELASTICITY

NIGHT VISION OPTIMIZED

QUICK APPLICATION

ENGINEERED TO PRESERVE LIFE

TRUFLOW™ VALVE*

Is composed of a reinforced dome which protects the chest wound and the internal one-way valve from external forces allowing air to flow from the chest cavity and preventing air ingress into the chest cavity.

*Does not come with non-valved version

https://www.youtube.com/watch?time_continue=2&v=lV17aBtQsIg

ENGINEERED TO PRESERVE LIFE

FORTIFIED GEL

Strong Hydrogel tightly adheres to the chest wall in the presence of blood, hair, sweat or sand. And if necessary allows lifting and re-application while maintaining superior adherence.

REVERSE SIDE

ENGINEERED TO PRESERVE LIFE

THIN EDGE LAYER

The thin edge layer resists lifting or peeling, maintaining a formidable seal

NIGHT VISION OPTIMIZED

Optimized for night vision, the packaging, pouch, dressing backing, and tabs provide ideal contrast for visibility in normal light, low light, and night conditions (using a night vision device).

NIGHT VISION OPTIMIZED

ENGINEERED TO PRESERVE LIFE

OVAL SEAL

Larger than other dressings, its oval shape maximizes the surface area of the seal, and its transparency, elasticity and conformability ensure effective adhesion.

ENGINEERED TO PRESERVE LIFE

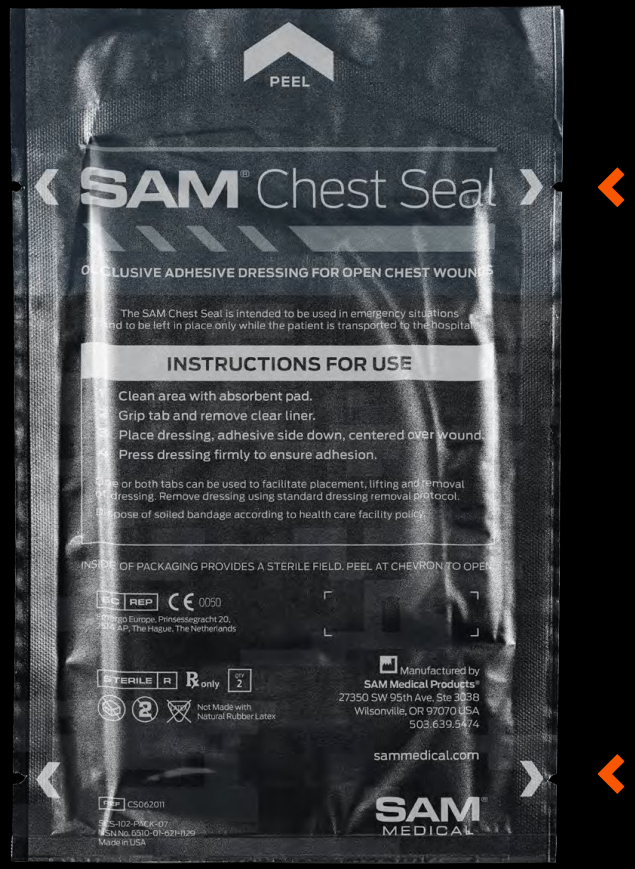
DUAL APPLICATION TABS

Tabs facilitate the proper placement and removal of adhesive seal, with the ability to vent and reseal.

ENGINEERED TO PRESERVE LIFE

PEEL / TEAR PACKAGING

Quickly and easily open SAM® Chest Seal packaging by peeling from its tabs or tearing along the chevron-marked areas.



ENGINEERED TO PRESERVE LIFE

ELASTICITY

Flexible polyurethane film allows the SAM Chest Seal to stretch and contract with normal respiratory movements, greatly improving adherence to the chest wall.

THREE CONFIGURATIONS

THREE CONFIGURATIONS

COMBO

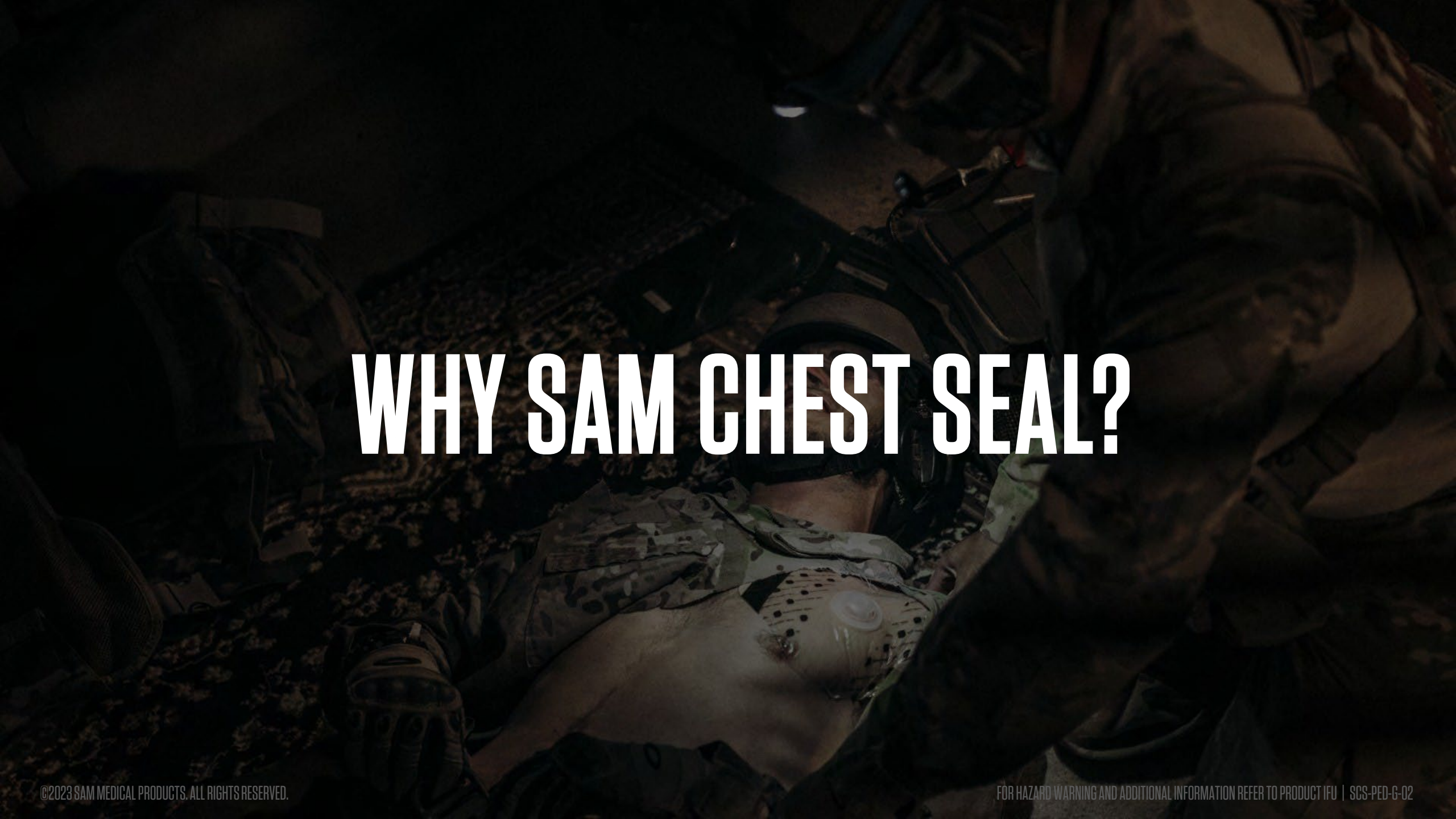
VALVED 2.0

NON-VALVED

COMBO

NON-VALVED

VALVED 2.0

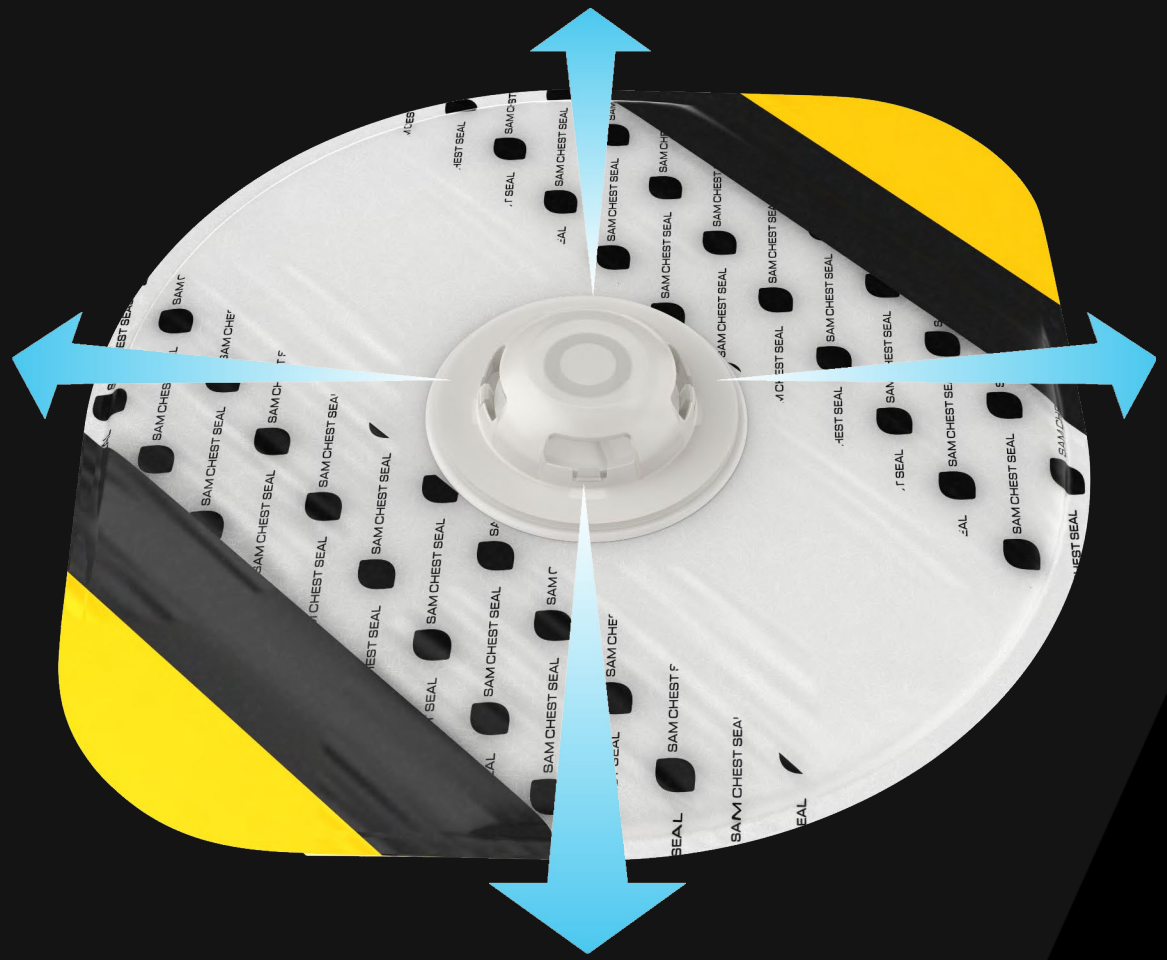


WHY SAM CHEST SEAL?

SAM CHEST SEAL

SAM® Chest Seal is engineered to treat, seal, and reseal open chest wounds under most circumstances. After simple and quick application, SAM® Chest Seal sticks relentlessly – through extreme heat or cold, no matter the elements. Meets CoTCCC-preferred features.

WHY SAM CHEST SEAL?



OCCLUSION - RESISTANT TRUFLOW VALVE

WHY SAM CHEST SEAL?

STERILE R

STERILE SEAL

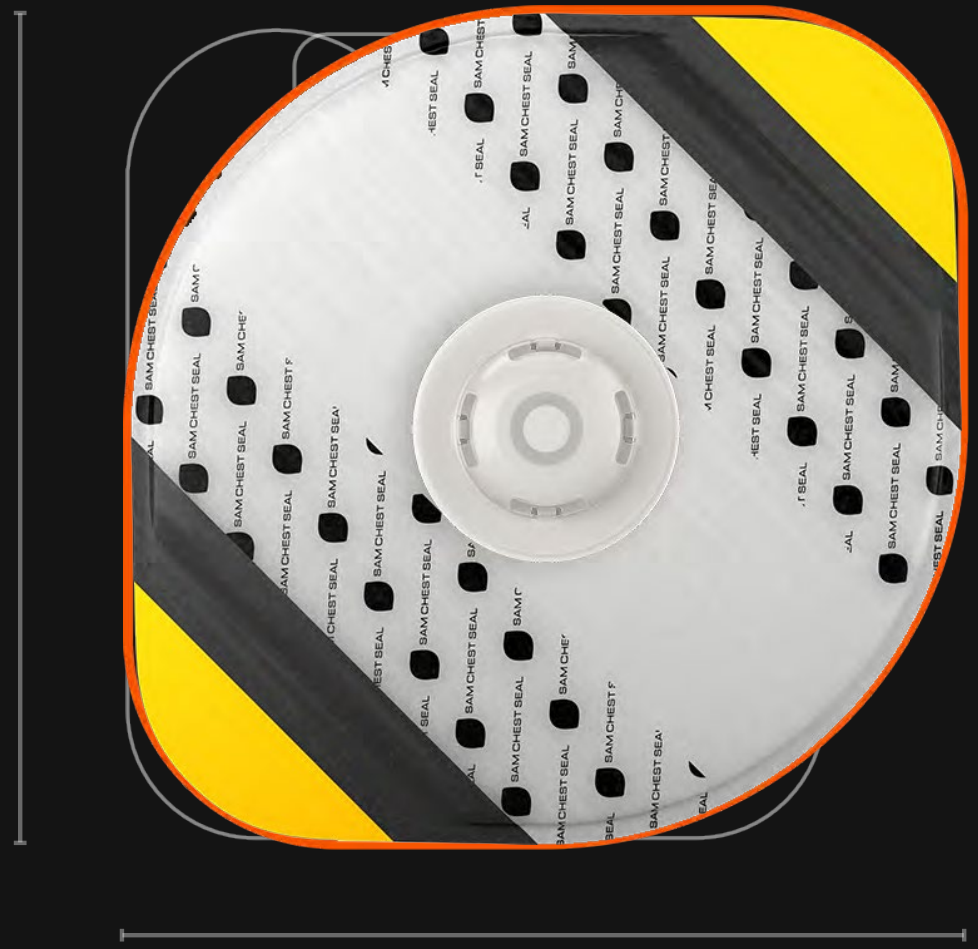
Minimize further
contamination of the wound

WHY SAM CHEST SEAL?

FORTIFIED GEL

Strong Hydrogel adheres in the presence of blood, hair, sweat and sand, or when submersed in water.

WHY SAM CHEST SEAL?



LARGE OVAL SIZE

Larger than other dressings, its oval shape maximizes the surface area of the seal, and its transparency, elasticity and conformability ensure effective adhesion.

WHY SAM CHEST SEAL?

NIGHT VISION OPTIMIZED

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Optimized for night vision, the packaging, pouch, dressing backing, and tabs provide ideal contrast for visibility in normal light, low light, and night conditions (using a night vision device).

WHY SAM CHEST SEAL?

6-YEAR SHELF LIFE

Industry-leading shelf life ensures SAM® Chest Seal is always ready when you need it.

WHY SAM CHEST SEAL?

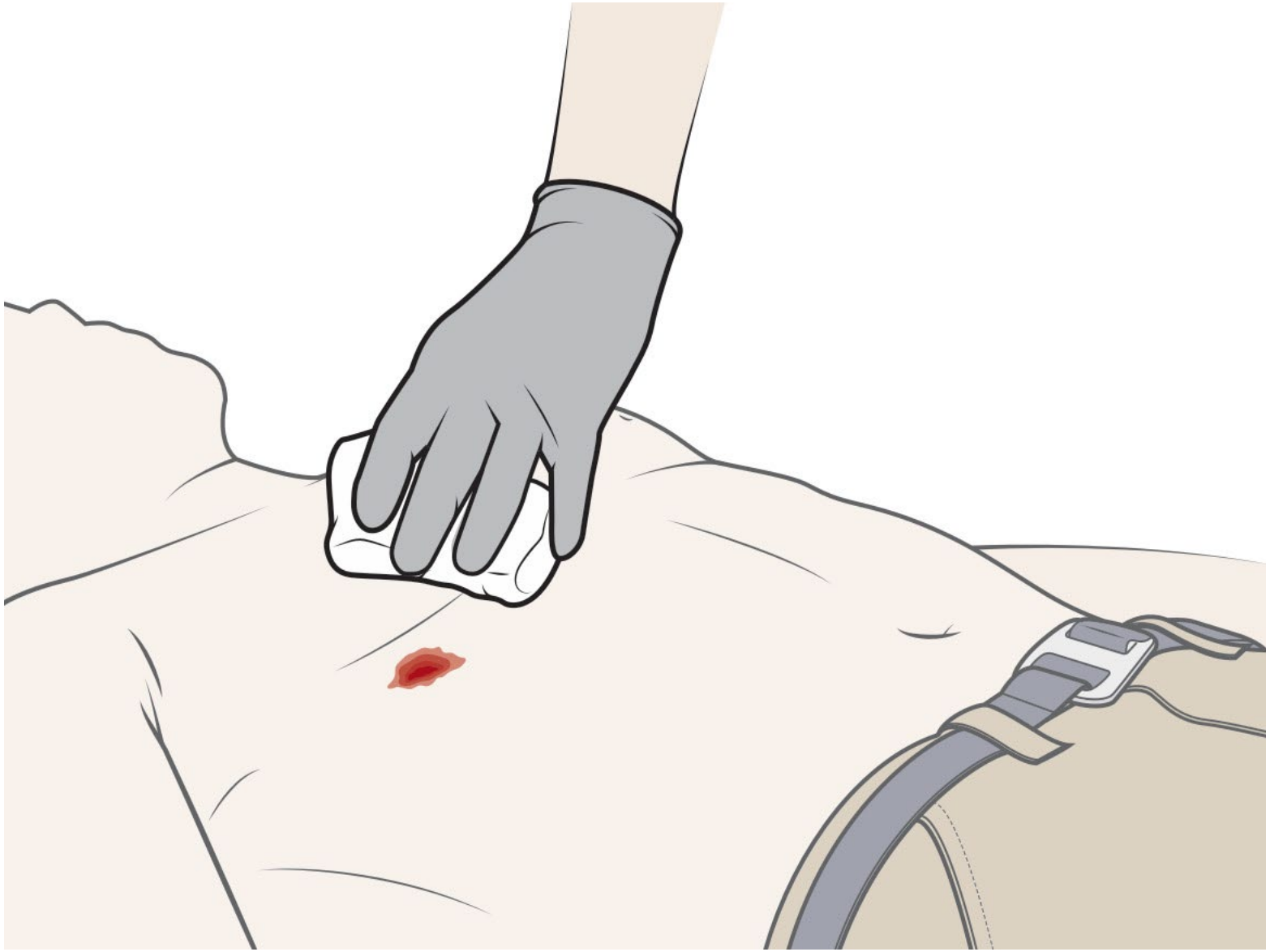
SAM CHEST SEAL APPLICATION

COMBO

https://www.youtube.com/watch?v=y1log_ckImM

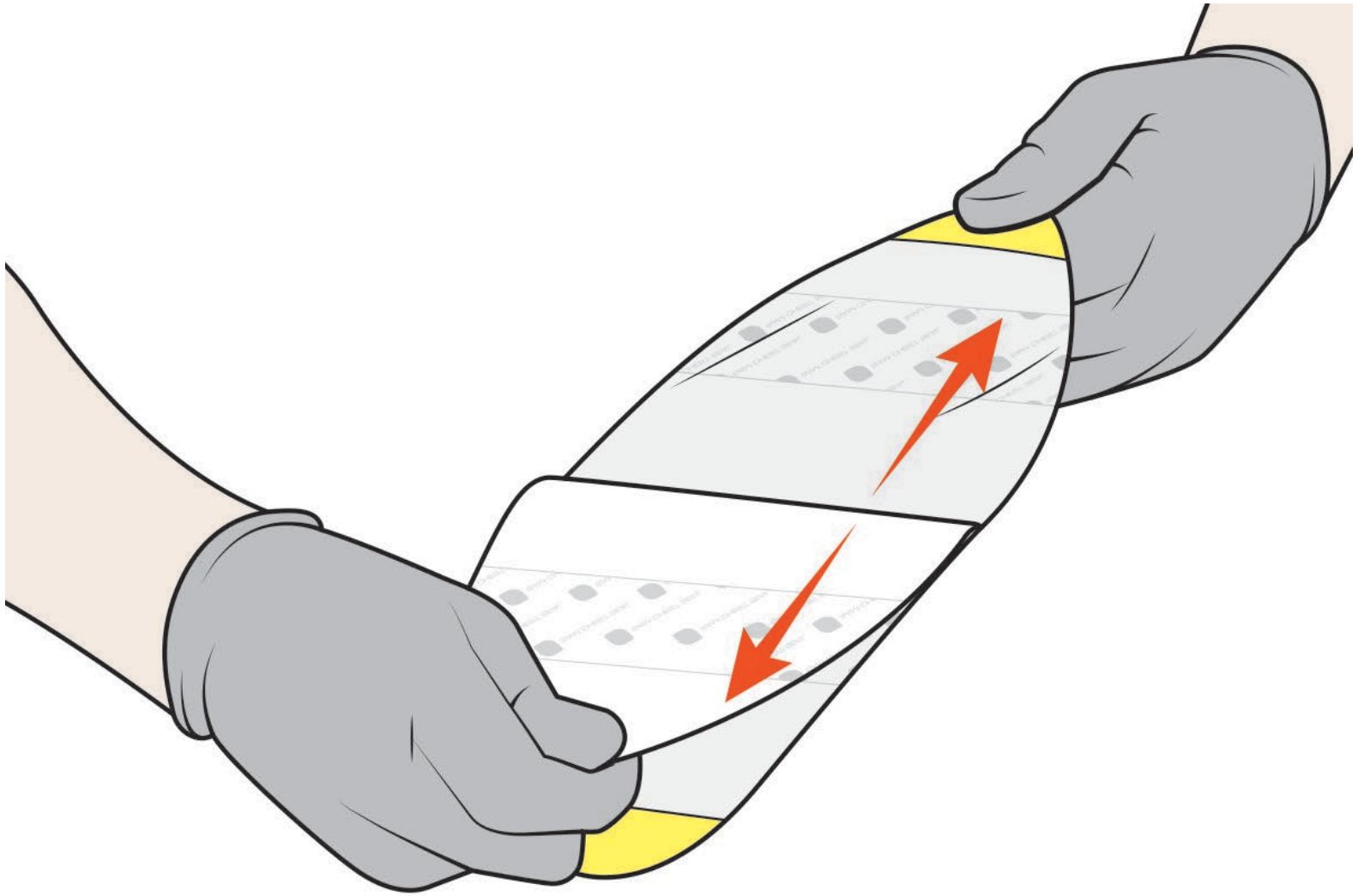
STEP 1

Quickly and easily open the sterilized SAM® Chest Seal packaging by peeling from it tabs or tearing along the chevron-marked areas.



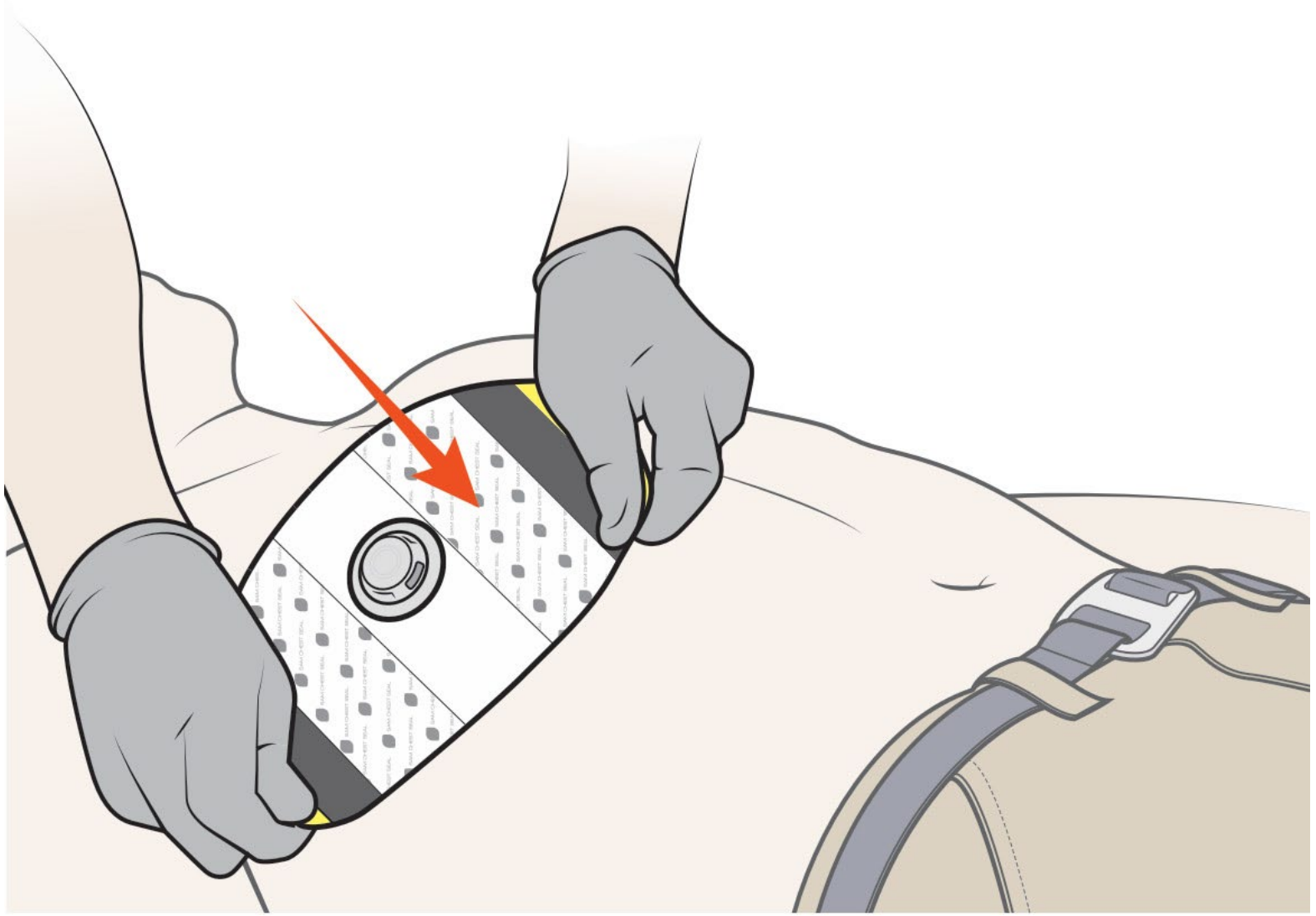
STEP 2

Clean the wounded area.



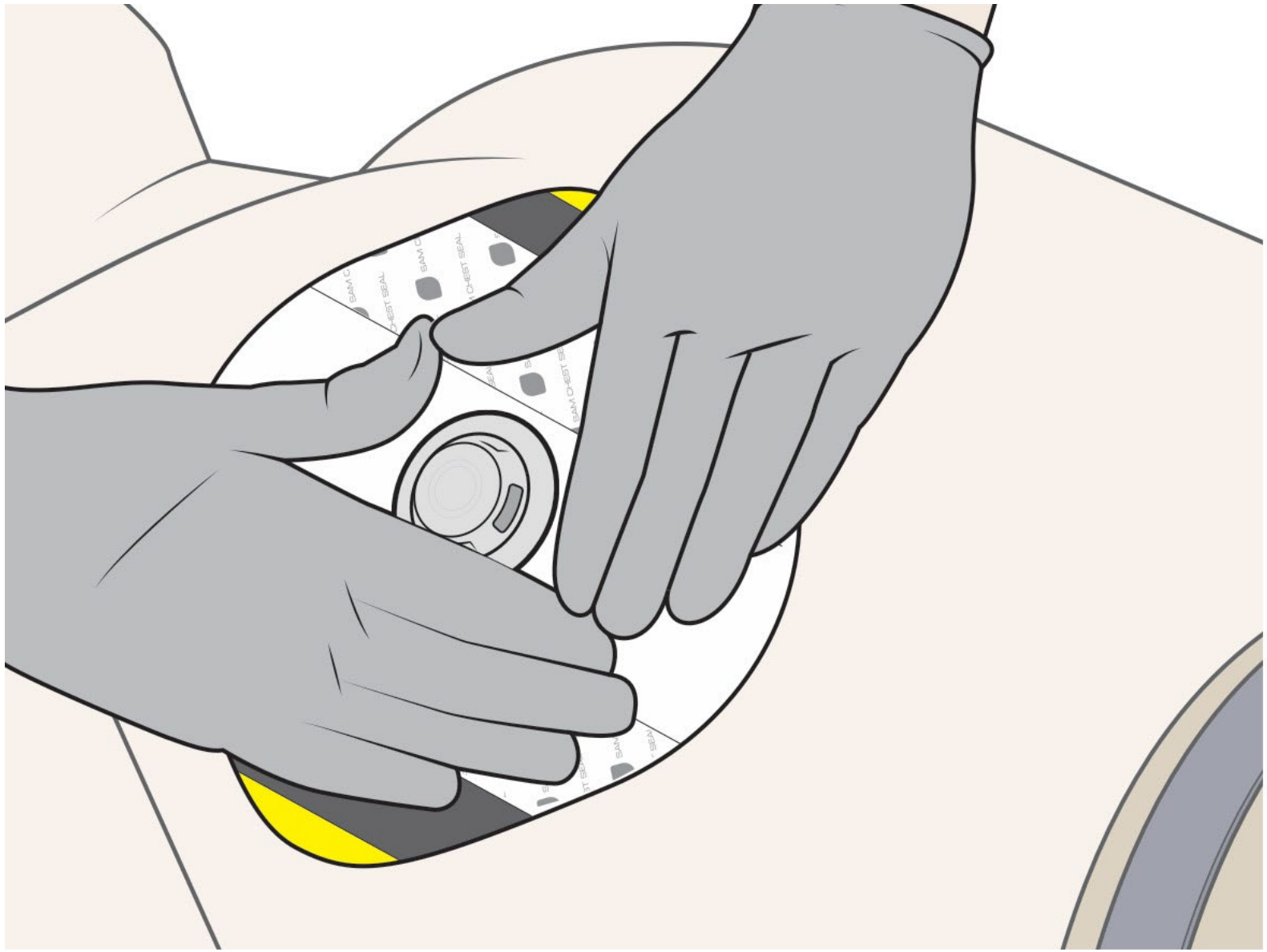
STEP 3

Next, grip the application tab and remove the clear liner.



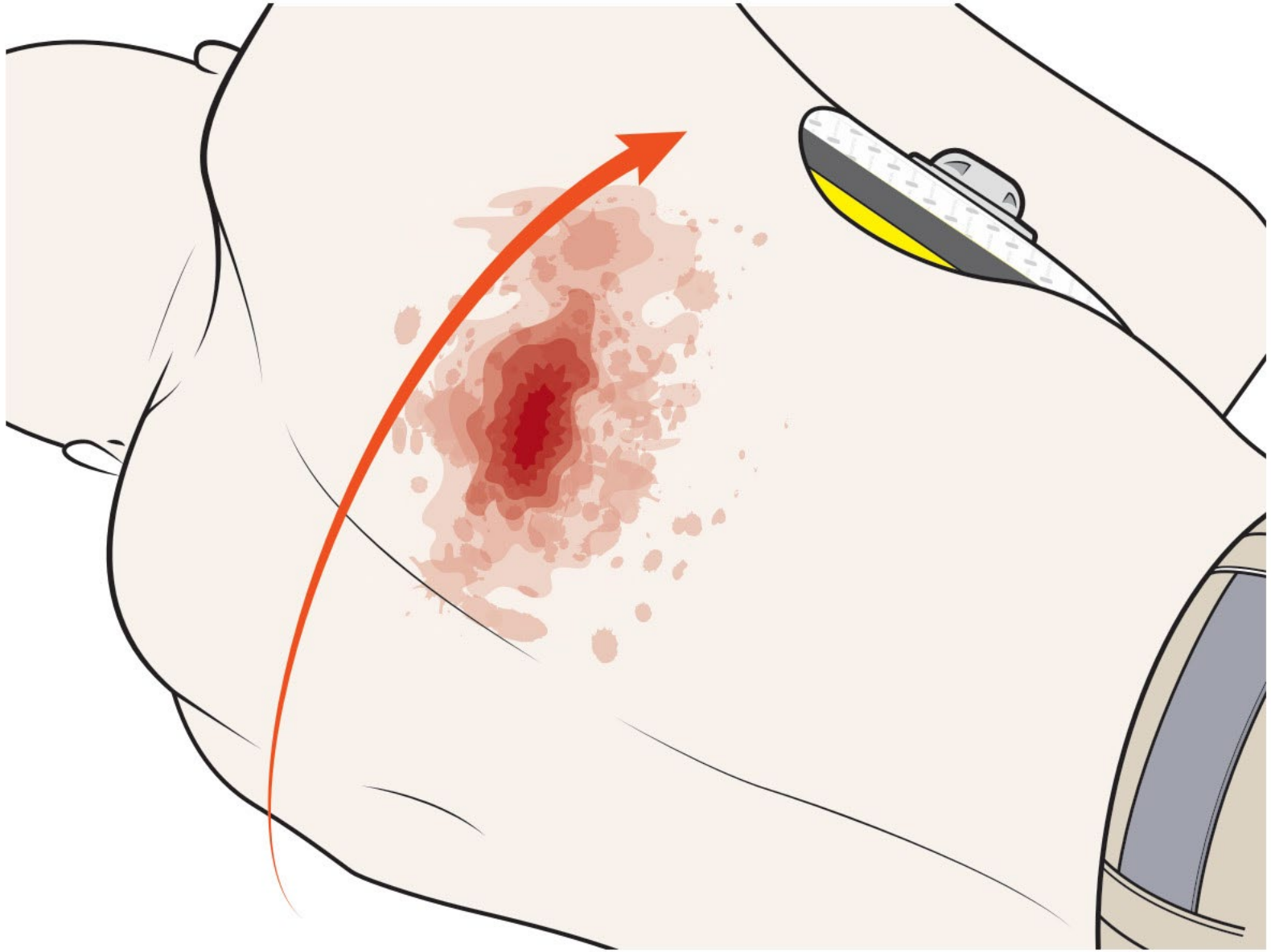
STEP 4

Center the TRUFLOW Valve over the wound and place the dressing adhesive side down.



STEP 5

Press firmly across its entire surface to ensure adhesion.

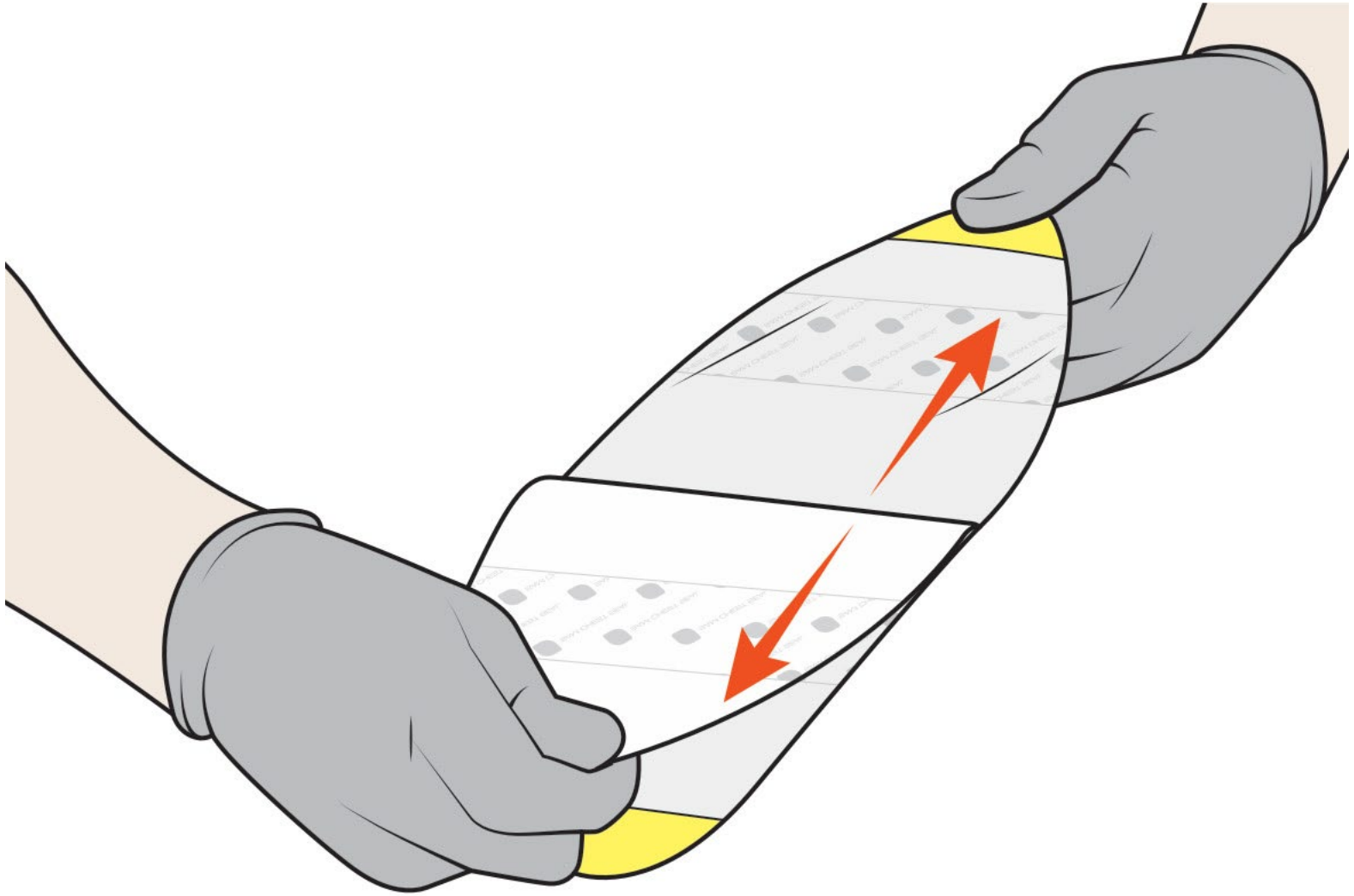


STEP 1

Locate the wound and remove the casualty's clothes.

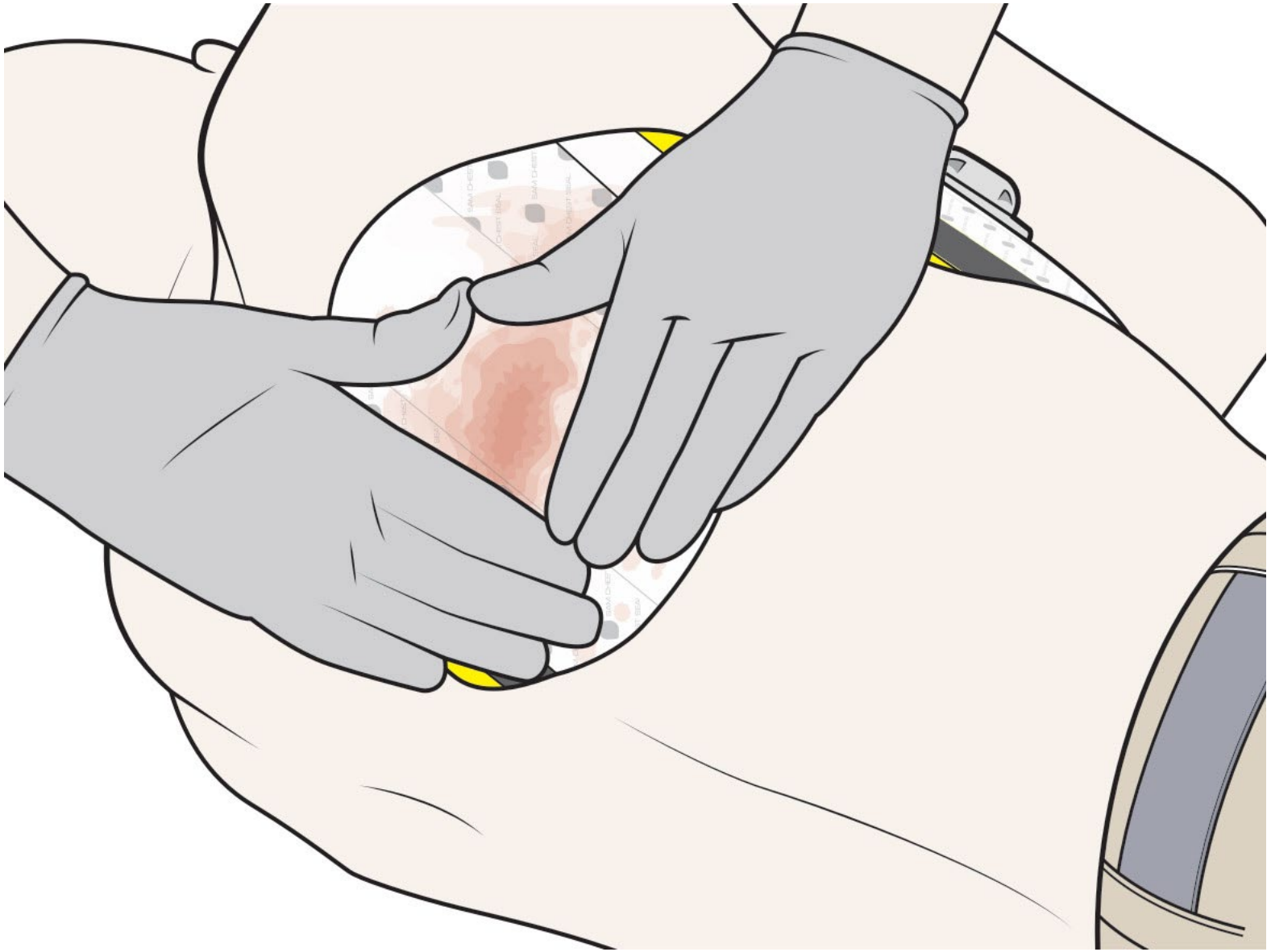
STEP 2

Clean the wounded area.



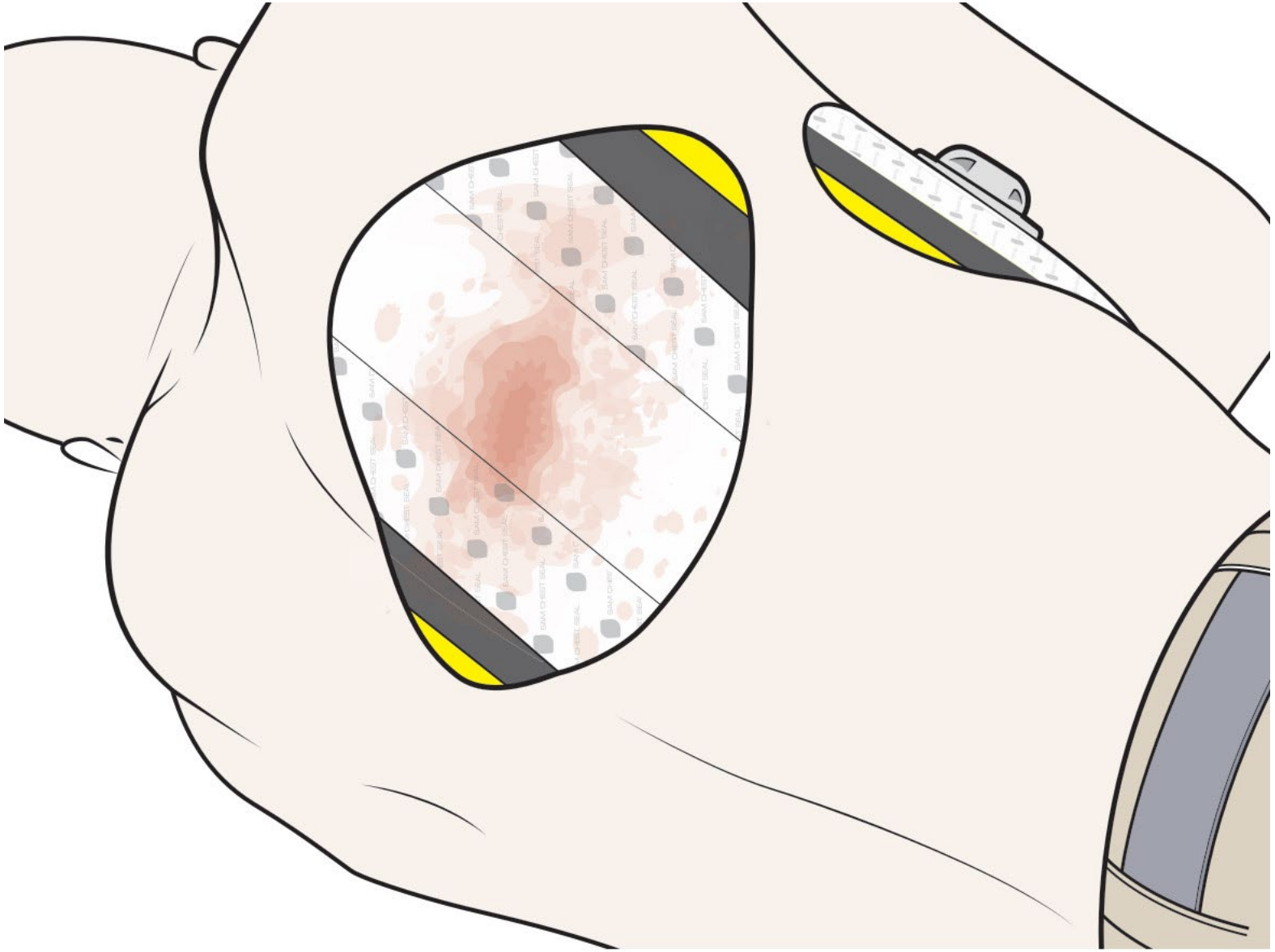
STEP 3

Next, grip the application tab and remove the clear liner.



STEP 4

Center the dressing over the wound and place the adhesive side down before pressing firmly across its entire surface to ensure adhesion.



SUMMARY

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STERILE

SUPERIOR ADHESION

OCCLUSION-RESISTANT TRUFLOW VALVE

LARGE SIZE

NIGHT VISION OPTIMIZED

6 YEAR SHELF LIFE

FAQS

Why is the SAM Chest Seal a large oval shape?

The SAM Chest Seal is oval shaped and larger than other dressings. This maximizes the surface area of the Seal to assure effectiveness of adhesion. If the seal displaces from chest, it cannot protect the wound or the the air flow from chest. The large oval shape also facilitates coverage of the chest wound and surrounding tissue.

Why does the SAM Chest Seal come with and without a valve?

The SAM Chest Seal comes in both versions because not all chest injuries are treated the same. The “valved” SAM Chest Seal provides a one-way valve to allow air flow out of the chest thereby preventing the life-threatening condition; tension pneumothorax.

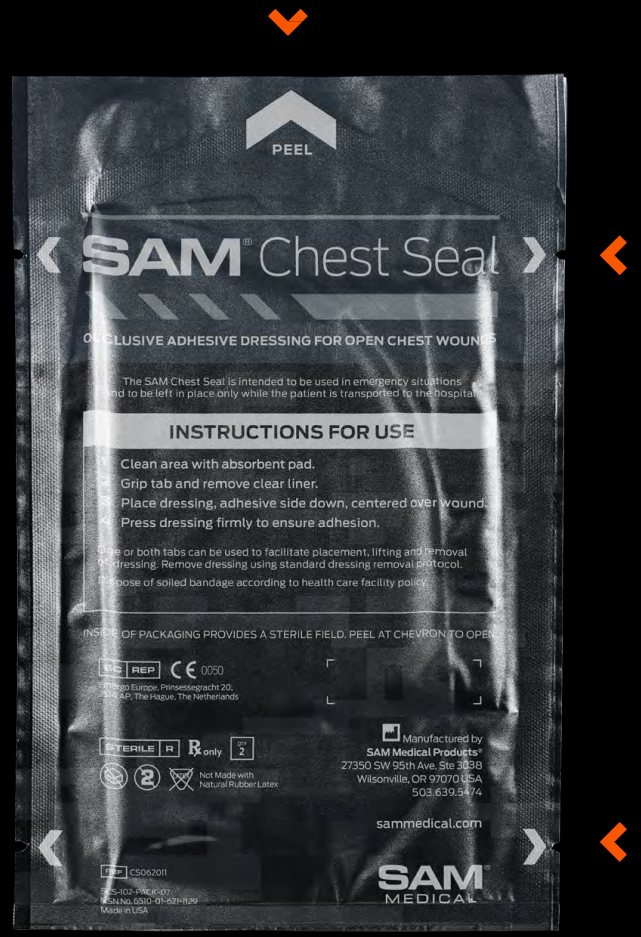
The non-valved version provides a large occlusive dressing. Primarily used for chest wounds when medical professionals have the means to carefully monitor for and treat tension pneumothorax using more definitive means.

FAQS

Can the SAM Chest Seal be used in the prehospital setting and austere conditions?

Yes, the SAM Chest Seal has been designed to work in many different environments including extreme temperatures (hot or cold), wet (blood, sweat, rain, etc.), in the presence of body hair, and dirt (sand, dust). The SAM Chest Seal has been tested to assure you, the rescuer that even in truly austere conditions the SAM Chest Seal will work effectively and efficiently each and every time.

FAQS



Why are there so many notches in the SAM Chest Seal packaging?

The notches at the four corners allow quick access to the SAM Chest Seal in less than optimal conditions. No more searching for the tab or being forced to cut the package open. The top flap opening allows for the SAM Chest Seal to be opened such that the packaging itself provides a sterile field. In the field or in the hospital, the packaging of the SAM Chest Seal allows the most effective access when seconds count.

MORE INFO

sammedical.com

THANK YOU

SAM®
MEDICAL

MORE THAN SURVIVAL™