

# Using DERMACLOSE device with Negative Pressure Wound Therapy (NPWT)

## Abdominal Wounds

### Follow steps outlined in the DERMACLOSE Quick Reference Guide

The DERMACLOSE device can be used with NPWT. Please note, however, that the DERMACLOSE device can be used alone and does NOT require the use of NPWT to be effective. If the surgeon determines that the wound requires NPWT, the steps will aid with placement.

### Key concepts

**For abdominal wounds, the foam is typically placed inside the wound.**

The foam is cut 50% smaller than the wound and placed in the wound, then Adaptic® or Xeroform™ is placed over the foam. When the DERMACLOSE device is applied and tightened down, the tissue will pull over the foam. Excess foam in the wound can impede tissue movement.

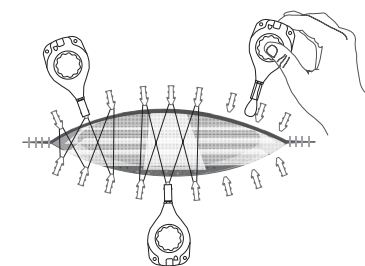
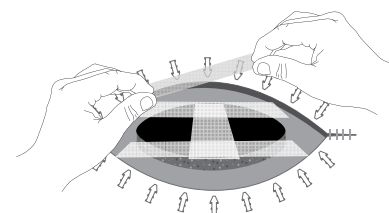
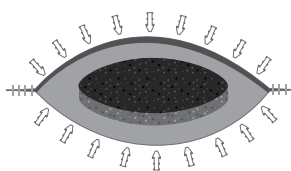
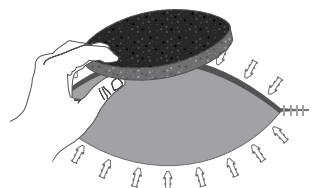
Place a closed cell material similar to DuoDerm® beneath the tension controller and bridge tubing to prevent the vacuum pressure from causing tissue damage under the tension controller. If DuoDerm is not available use two layers of Telfa under the tension controller and bridge tubing.

**CAUTION:** Do not place gauze under tension controller when using NPWT. This will result in blistering under the tension controller.

**INDICATIONS FOR USE:** The DERMACLOSE Continuous External Tissue Expander is indicated for use in reducing or assisting with the closure of full-thickness wounds of the skin.

**CONTRAINDICATIONS:** The DERMACLOSE Continuous External Tissue Expander should not be used on ischemic or infected tissue. It should not be used on fragile tissue at the edges of a wound.

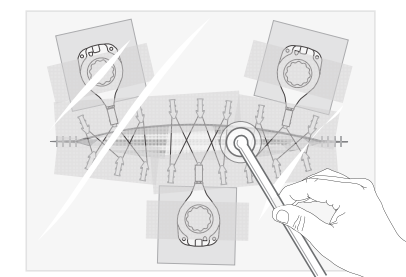
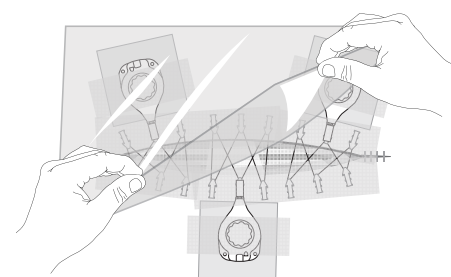
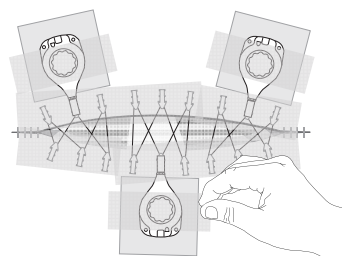
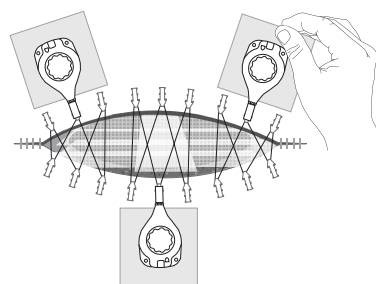
Foam placed in the wound



1. Cut foam 50% smaller than the wound.

2. Place layer of Adaptic/Xeroform over the foam to enable the tissue to easily glide over the foam. This is important to keep mobility of tissue under pressure of the NPWT.

3. Lace the DERMACLOSE devices around the anchors as instructed in the DERMACLOSE Quick Reference Guide.

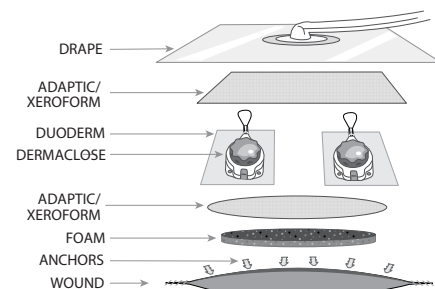


4. Place DuoDerm or a double layer of Telfa™ pad under tension controller to prevent the NPWT suction from causing blistering under the tension controller. Wind tension controller clockwise until a loud click is heard.

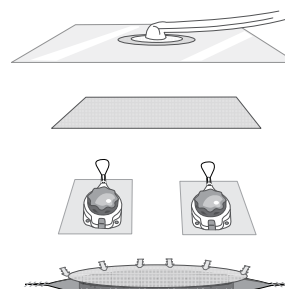
5. Place layer of Adaptic or Xeroform over #2 nylon lacing AND all the anchors (anchors could pierce the NPWT drape). Place Adaptic or Xeroform over tension controller to keep the VAC drape from sticking to controller.

6. Cover entire tension controller, anchors and wound with NPWT sticky drape.

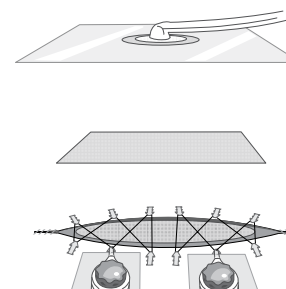
7. Surgeon will poke hole in drape to place suction over foam area.



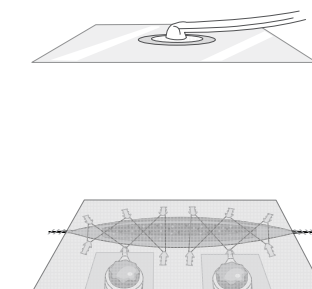
STEP 1



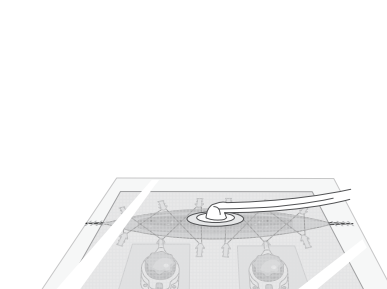
STEP 2



STEP 3



STEP 4



STEP 5

# Extremity Wounds

## Follow steps outlined in the DERMACLOSE Quick Reference Guide

The DERMACLOSE device can be used with NPWT. Please note, however, that the DERMACLOSE device can be used alone and does NOT require the use of NPWT to be effective. If the surgeon determines that the wound requires NPWT, the steps will aid with placement.

### Key concepts

**For extremity wounds, the foam is typically placed above the wound.**

Cut the foam 50% smaller than the wound after the DERMACLOSE device has been tightened, trying to avoid the foam from encroaching over the anchors. It's possible the action of the negative pressure can macerate the tissue under the anchors if the foam should ride over the anchors.

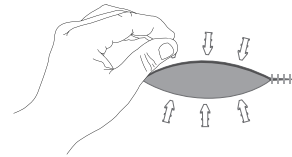
Place a closed cell material similar to DuoDerm® beneath the tension controller and bridge tubing to prevent the vacuum pressure from causing tissue damage under the tension controller. If DuoDerm is not available use two layers of Telfa under the tension controller and bridge tubing.

**CAUTION:** Do not place gauze under tension controller when using NPWT. This will result in blistering under the tension controller.

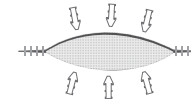
**Pearl:** Some surgeons are cutting a strip of loban™ and placing it along the wound edge and then placing the anchors through the loban.

## Using DERMACLOSE device with Negative Pressure Wound Therapy (NPWT)

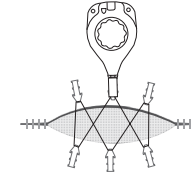
Foam placed above the wound



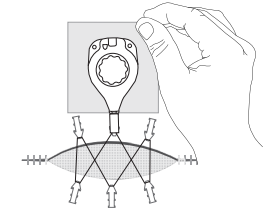
1. Place anchors around wound as described in the DERMACLOSE Quick Reference Guide.



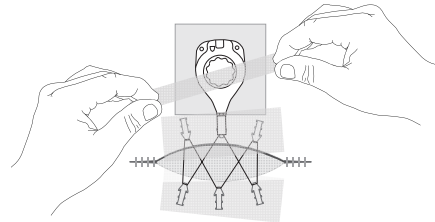
2. Place Adaptic®/Xeroform™ in wound, tuck under flaps created by undermining.



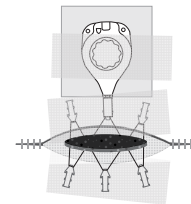
3. Lace the DERMACLOSE device around the anchors as described in the DERMACLOSE Quick Reference Guide.



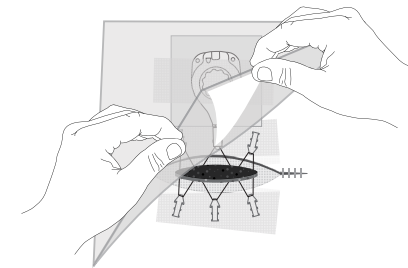
4. Place DuoDerm or double layer of Telfa™ pad under tension controller to prevent the NPWT suction from causing pressure sores around the device. Wind tension controller clockwise.



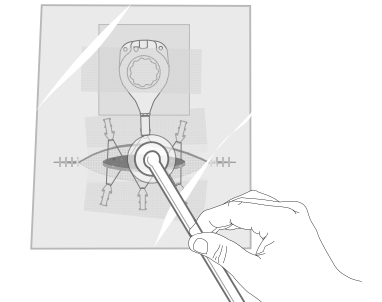
5. Place layer of Adaptic or Xeroform over #2 nylon lacing AND all the anchors (these are sharp and can pierce the VAC drape). Place Adaptic or Xeroform over tension controller to keep the NPWT drape from sticking to controller.



6. Cut the foam 50% of the size of the wound, and place over the Adaptic or Xeroform in the center of the wound.



7. Place NPWT drape over the foam and the skin anchors, including the tension controller.



8. Surgeon will poke hole in drape to place suction over foam area.

**Monitor the tissue movement, remove NPWT in 48-72 hours. If the wound edges move under the NPWT foam there is risk of tissue damage under the anchors. IF EXTENSION TUBING IS BEING USED: DuoDerm or Telfa must be placed under tubing, otherwise tube will cause a pressure sore under the force of the NPWT suction.**

