

# DeWrap™

## Three Layer Compression System

### 46-333

#### System Includes:

**1 DeWrap™ Layer One  
Padding/Absorption Layer**  
4" x 156" (10.2 cm x 396.2 cm)\*

**1 DeWrap™ Layer Two  
Compression Bandage**  
4" x 108" (10.2 cm x 274.3 cm)\*

**1 DeWrap™ Layer Three  
Cohesive Compression Bandage**  
4" x 156" (10.2 cm x 396.2 cm)\*



UPN



(01)50749756552733

UPC



7 49756 55273 8

## LATEX FREE



Insert #4-10645  
Rev. 8/11

**Manufacturer:**  
DeRoyal Industries, Inc.  
200 DeBusk Lane  
Powell, TN 37849 USA  
888.938.7828  
www.deroyal.com

\* sizes are unstretched

- Patients should be instructed to remove DeWrap immediately if the foot or toes become pale, numb (tingling sensation), painful and/or cool to the touch. These signs may suggest that arterial blood flow is compromised by the compression device.
- DeWrap should always be applied and monitored by a trained health care provider. Incorrect application of DeWrap may result in inappropriate levels of compression. Low levels of compression will not provide adequate pressure to manage lower extremity edema whereas high levels of compression may interfere with arterial blood flow to the distal extremity.
- Diagnosis of venous insufficiency is often determined by Doppler examination and Ankle Brachial Index measurement. An ABI > 0.8 indicates the presence of arterial disease and the patient should NOT be treated with DeWrap 3 Layer Compression System. Using compression therapy in the presence of moderate to severe arterial insufficiency may result in tissue necrosis and amputation.

#### Warnings

DeWrap 3 Layer Compression System should NOT be used for the management of lower extremity edema or ulcers associated with diabetes, congestive heart failure, cancer related lymphedema or arterial insufficiency.

#### Contraindications for DeWrap

DeWrap 3 Layer Compression System is designed to deliver sustained, graduated compression for the management of lower extremity edema and ulcers associated with venous insufficiency. The DeWrap compression system is composed of latex free, conformable, absorbive, less bulky layers to satisfy patient's safety and comfort needs. The recommended graduated pressure of 40mmHg is achieved by following the application instructions contained in this insert.

**Indications for DeWrap**

Layered compression wraps are indicated for the treatment of lower extremity edema and ulcers associated with venous insufficiency. Venous malfunction results in a series of events including increased hydrostatic pressure, venous hypertension and eventually skin ulceration. DeWrap 3 Layer Compression System provides appropriate levels of compression to improve the calf muscle pump function to reduce venous hypertension and lower extremity edema which will promote healing of venous ulcers. DeWrap can be used alone to manage lower extremity edema associated with venous hypertension or in conjunction with Multidex® covered by an absorbive dressing such as Polyderm™, Sorsorb™, or MultiPad™ to help venous ulcers heal. Maximum wear time for DeWrap is seven days.

Trained health care providers should perform the necessary diagnostic tests to confirm venous insufficiency diagnosis and rule out arterial insufficiency prior to application of any layered compression device.

**Pre-Application**

- Wash intact skin and pat dry.
- Rinse open wound(s) with sterile normal saline.
- May treat wound(s) with Multidex® or Algidex™ Ag and cover with secondary absorptive dressing like Polyderm™, Sofisorb®, or Multipad™.

**Measure Ankle**

- Measure ankle circumference.
- Ankle must be  $\geq 18$  cm to achieve recommended graduated compression.
- Apply additional cotton absorptive layer 1 around the ankle when circumference is less than 18cm.

**Position Foot**

- Flex foot to 90° angle.
- Maintain flexed position throughout application of all three layers.

**Application Instructions to Achieve: 30-40mmHg****1 Layer 1 Application**

- Apply absorptive layer using spiral technique with 50% overlap, no stretch.
- May use extra for padding over bony prominences.
- Wrap entire leg upward stopping two finger widths below the Popliteal Artery.



Layer 1: Spiral Technique, 50% Overlap, No Stretch

**2 Layer 2 Application**

- Apply elastic compression layer using Figure-8 technique with 50% stretch.
- Overlay 50%.
- Cut excess bandage to avoid overlapping below the knee.
- Secure loose end with tape.



Layer 2: Figure-8 Technique, 50% Overlap, 50% Stretch

**3 Layer 3 Application**

- Apply the cohesive layer using spiral technique with 50% overlap and 50% stretch.
- Wrap entire leg upward including the heel and stop two finger widths below the Popliteal Artery.
- Cut excess bandage to avoid overlapping below the knee.
- Conform all edges down upward.



Layer 3: Spiral Technique, 50% Overlap, 50% Stretch

**Application Instructions to Achieve: 20-30mmHg****1 Layer 1 Application**

- Apply absorptive layer using spiral technique with 50% overlap, no stretch.
- May use extra for padding over bony prominences.
- Wrap entire leg upward stopping two finger widths below the Popliteal Artery.



Layer 1: Spiral Technique, 50% Overlap, No Stretch

**2 Layer 2 Application**

- Apply layer 2 using spiral technique with 50% overlap and 50% stretch.
- Wrap entire leg upward including the heel and stop two finger widths below the Popliteal Artery.
- Cut excess bandage to avoid overlapping below the knee.
- Secure loose end with tape.



Layer 2: Spiral Technique, 50% Overlap, 50% Stretch

**3 Layer 3 Application**

- Apply the cohesive layer using spiral technique with 50% overlap and 50% stretch.
- Wrap entire leg upward including the heel and stop two finger widths below the Popliteal Artery.
- Cut excess bandage to avoid overlapping below the knee.
- Conform all edges down upward.



Layer 3: Spiral Technique, 50% Overlap, 50% Stretch

**Removal**

- Remove DeWrap™ with blunt bandage scissors.
- Dispose of soiled dressing per institution's policy.
- DeWrap™ package may be used to discard soiled dressing.