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Frequently Asked Questions About the 3M™ Coban™ 2 Two-Layer Compression System

1. What is the difference between 3M™ Coban™ 2 Two-Layer Compression System and 3M™ Coban™ LF Latex-Free Self-Adherent Wrap?

3M™ Coban™ 2 Two-Layer Compression System is a two layer system: a Comfort Foam Layer (Layer 1) and a Compression Layer (Layer 2). It is designed to deliver comfortable, therapeutic compression for the treatment of venous leg ulcers, lymphedema and other conditions where compression therapy is appropriate. After application, the Comfort Foam Layer and the Compression Layer cohere to each other to form a thin, inelastic sleeve that conforms to the limb contour and provides sustained, therapeutic compression to reduce edema.

3M™ Coban™ LF Latex-Free Self-Adherent Wrap is an elastic (long stretch) bandage, designed to stretch 1-3 times its length. Coban Self-Adherent Wrap functions like a tape, but sticks only to itself. Suggested applications include dressing, tubing, and other device securement. Wound care clinicians may use it as a secondary wrap over a zinc paste bandage.

	3M™ Coban™ 2 Two-Layer Compression Therapy		
	3M™ Coban™ 2 Two-Layer Compression System #2094	3M™ Coban™ 2 Lite Two-Layer Compression System #2794	3M™ Coban™ LF Latex-Free Self-Adherent Wrap
Elastic Properties	Elastic fibers are manufactured to be short stretch	Elastic fibers are manufactured to be short stretch	Considered an elastic (long stretch) bandage
Resting Pressure	Designed to provide 35–40mmHg	Designed to provide 25–30mmHg	Approximately 18–25mmHg
Application Recommendations	• Apply Comfort Layer with enough tension to conform • Apply Compression Layer at full stretch from the beginning	• Apply Comfort Layer with enough tension to conform • Apply Compression Layer at full stretch from the beginning	• Apply with just enough tension to conform • Apply with 50% stretch, cover bandage over UNNA's boot
Cohesive	Sticks to self and coheres to the Comfort Layer	Sticks to self and coheres to the Comfort Layer	Sticks to self
Indications	Coban 2 Compression System is indicated for the management of venous leg ulcers, lymphedema and other clinical conditions where compression is appropriate. It can be used for patients with an ankle brachial pressure index greater than or equal to 0.8.	Coban 2 Lite Compression System is indicated for the management of venous leg ulcers, lymphedema and other clinical conditions where compression is appropriate. It can be used for patients with an ankle brachial pressure index equal to or greater than 0.5.	Coban™ LF Latex Free Self-Adherent Wrap is intended for use as an elastic wrap to provide compression or support, or to secure dressings or devices. This product is not designed, sold or intended for use except as indicated. See additional precautions below.*
Spandex Filaments (per inch)	14	7	10

**Precaution: When used as a component in a compression wrap system, it is important to ensure adequate arterial blood flow (circulation). Coban Self-Adherent Wrap should be used as a component of a compression wrap system only under the supervision of a wound care specialist.*

2. Can 3M™ Coban™ LF Latex-Free Self-Adherent Wrap be substituted for the compression layer in 3M™ Coban™ 2 Two-Layer Compression System?

No, it is not recommended. Coban Self-Adherent Wrap has different properties (long stretch elastic) and is applied with different techniques. The Comfort Layer and Compression Layer of the Coban 2 Compression System are designed specifically to work together.

3. Can 3M™ Coban™ 2 Two-Layer Compression System be used for lymphedema?

Yes, the Coban 2 Compression System is indicated for the management of edema associated with lymphedema. 3M has developed sizes and lengths for lymphedema applications. Insurers' coverage policies vary. Providers should note that the treatment of lymphedema, with the application of high compression bandage systems, continues to be non-covered by Medicare. Clinicians may provide education on home management of lymphedema with compression wrap applications for a brief period as noted by Medicare Part B DME Contractor, Noridian.

For complete information see: med.noridianmedicare.com/web/jea/policies/coverage-articles/high-compression- bandage-system-clarification.

4. What is the recommended method to apply 3M™ Coban™ 2 Two-Layer Compression System?

Both the Coban 2 Compression System and 3M™ Coban™ 2 Lite Two-Layer Compression System are applied using the same techniques. 3M has designed several application methods to help the clinician apply Coban 2 Compression System in such a way to create a thin, low profile, inelastic sleeve that conforms to the contours of the limb. Recommended application and removal methods (i.e. the "cutting technique" and "follow the roll") may be found at www.3M.com/Coban2Layer, www.3M.com/Coban2Tools and on the 3M Health Care YouTube channel: www.youtube.com/3MSkinWound.

5. How does th 3M™ Coban™ 2 Two-Layer Compression System compare to the UNNA Boot?

The Coban 2 Compression System is easier, faster and less messy to apply than a zinc paste bandage.[1] Patients can feel confident wearing their own shoes and clothing without zinc paste transfer. Coban 2 Compression System applications may have less variability for more consistent application each time.

Õ(What features and benefits does the 3M™ Coban™ 2 Two-Layer Compression System offer?

- Coban 2 Compression System is a two-layer system. The materials used in the two-layer system create a thin, lightweight, breathable sleeve, enabling patients to wear their own shoes N[Q Plothing.
- Coban 2 Compression System is designed to reduce slippage and has demonstrated significantly less slippage than other two-layer[2] and four-layer[3] bandages. The inner Comfort Layer consists of a latex-free medical grade polyurethane foam laminated to a cohesive non-woven backing. When compressed, the foam grips the skin, and the non-woven backing provides a cohesive surface for the attachment of the outer Compression Layer. The proprietary interlocking materials cohere to each other, creating a rigid sleeve that conforms to the limb and reduces the potential for uncomfortable slipping or bunching.
- Coban 2 Compression System maintains therapeutic working pressures and comfortable resting pressure for effective, well-tolerated compression.
- The safety of 3M™ Coban™ 2 Lite Two-Layer Compression System has been clinically proven for use in patients with ankle brachial pressure indexes (ABPIs) of greater than or equal to 0.5.[4]

7. Zinc paste bandages are often used to soothe the dermatitis associated with venous hypertension. How does 3M™ Coban™ 2 Two-Layer Compression System manage the irritated skin condition?

Dermatitis and eczematous changes occur with long-standing edema and extravasation of blood and circulatory components into subcutaneous tissues. Effective edema reduction is the most important treatment to reversing these skin changes, and the Coban 2 Compression System has been clinically proven to reduce edema.[1] There are many skin products used for topical management to reduce inflammation, moisturize, and protect the skin that are compatible[3] with the Coban 2 Compression System. 3M recommends the minimal amount of cream or ointment necessary to moisturize the skin.

The Wound, Ostomy and Continence Nurses Society™ Guideline for Management of Wounds in Patients with Lower-Extremity Venous Disease suggests to:

- Avoid the use of skin irritants and allergens.
- Use emollients such as petrolatum to counteract dryness and scaliness.
- Consider topical steroid ointment as needed for no longer than two weeks.

8. How absorbent is 3M™ Coban™ 2 Two-Layer Compression System?

Coban 2 Compression System absorbs and wicks away skin moisture but is not designed or indicated for use as a primary wound dressing. The wound should be managed with dressings appropriate to the wound condition.

9. Are there any specific considerations to note with using 3M™ Coban™ 2 Two-Layer Compression System on patients?

- Coban 2 Compression System is indicated for use in patients with an ABPI ≥ 0.8 and <1.3 and is used mainly for the leg and the foot.
- 3M™ Coban™ 2 Lite Two-Layer Compression System is indicated for use in patients with an ABPI ≥ 0.5 and <1.3 or for those limbs with small circumferences. It is used mainly for the arms, fingers, toes and lower extremities of patients with mixed disease or poor tolerance of high compression.
- Coban 2 Compression System should not be used on patients with an ABI <0.5.
- Patients with mixed etiology leg ulcers and an ABPI <0.5 and >1.3 should be referred to a vascular specialist for further evaluation and care recommendations.

With all compression systems, it is important to monitor the patient's response to therapy. Wrapping too tightly may impair circulation. Monitor the area of application frequently for signs of discoloration, pain, numbness, tingling or other changes in sensation and swelling. If these symptoms occur, remove Coban 2 Compression System promptly and contact your health care provider. Patients should be advised to promptly contact their health care provider if they experience pain, numbness, tingling, discoloration or swelling of toes. Additional information, contraindications, precautions and warnings can be found on the 3M™ Coban™ 2 Two-Layer System package insert in each product box or online at www.3M.com/Coban2IFU.

10. Why do you recommend beginning the application at the fifth metatarsal head?

This technique supports the foot in a neutral, comfortable position, and when patients are comfortable in their bandage, they are more apt to keep it on and stay active.

11. Have tests been conducted to determine the flammability of 3M™ Coban™ 2 Two-Layer Compression System?

Two test series have been performed on Coban 2 Compression System to assess flammability.

A. *Test according to "16 CFR 1610 Standard for the Flammability of Clothing Textiles" (Almost identical test: "ASTM D1230-94 Standard test Method for Flammability of Apparel Textiles").*
Coban 2 Comfort Layer, Coban 2 Compression Layer, Coban 2 Lite Comfort Layer, Coban 2 Lite Compression Layer have been tested separately and are categorized as Class 1 per "16 CFR Part 1610 Standard for the Flammability of Clothing Textiles," which means "Normal Flammability. This test usually is used for clothing materials to determine if materials are suitable to be used in clothing with regard to their flammability.

B. *Test on suitability of using Coban 2 Compression System in high oxygen environments, such as hyperbaric oxygen (HBO) chambers, per ASTM D2863-08.*
3M has worked with an outside professional testing company to identify suitable tests to evaluate the oxygen compatibility of all of its critical and chronic care products by determining the Autogenous Ignition Temperature (AIT) and Oxygen Index (OI) of the products and the response of the products to Oxygen Exposure testing. Coban 2 Layer Compression System did not show evidence of increased flammability when compared to a control material in high oxygen use environments. This testing has been done in a controlled test environment. There was no testing for static spark generation. It is important to consider the overall potential risk profile in your clinical practice. Please contact 3M Technical Service for a technical report. Class 1 textiles exhibit normal flammability and are acceptable for use in clothing. Class 1 is the lowest possible category. All tests were performed by an external laboratory.

12. What kind of education do you provide?

3M Sales Representatives, with the support of certified wound care specialists, will train you and your staff on the proper usage and application techniques recommended for 3M™ Coban™ 2 Two-Layer Compression Systems. Application videos and educational resources are available at www.3M.com/Coban2Tools.

3M has a variety of training and on-line educational tools available at 3M℠ Health Care Academy. Visit us at www.3M.com/MedicalEducation.

1. Mosti G, Crespi A, Mattaliano V. Comparison Between a New, Two-component Compression System With Zinc Paste Bandages for Leg Ulcer Healing: A Prospective, Multicenter, Randomized, Controlled Trial Monitoring Sub-bandage Pressures. *Wounds* 201; 23 (5): 126–134.
2. Tucker J, Peterson L, Rauch D, Walters S, Bichel J. Pressure and Slippage during 48 Hours of Compression Therapy: A Study on Healthy Volunteers. Poster, EWMA 2017.
3. Moffat C, Edwards L, Collier M, Treadwell T, Miller M, Shafer L, Sibbald RG, Brassard A, McIntosh A, Reyzelman A, Price P, Krause SM, Walters SA, Harding K. A Randomized Controlled 8-week Crossover Clinical Evaluation of the 3M™ Coban™ 2 Layer Compression System Versus Profore™ to Evaluate Product Performance in Patients with Venous Leg Ulcers. Int Wound J 2008;5(2):267-279.
4. Junger M, Haase H, Ladwig A, Schwenke L, Bichel J, Schuren J. Compression therapy in patients with peripheral arterial occlusive disease: A prospective clinical study with the 3M™ Coban™ 2 Layer Lite Compression System for ABPI > 0.5. Data on file at 3M. 2010.

3M Critical & Chronic Care Solutions Division
3M Health Care
2510 Conway Avenue
St. Paul, MN 55144 USA

Phone 1-800-228-3957
Web 3M.com/Medical

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