

Ordering Information

Catalogue No.	Roll No. and Desc.	Roll Size	Rolls/Box	Boxes/Case	
2794	Roll No. 1 Comfort Layer	4 in x 2.9 yd. 10 cm x 2.7 m Unstretched	2 rolls 1 of each	8	
	Roll No. 2 Compression Layer	4 in x 5.1 yd 10 cm x 4.7m Fully stretched	layer		

Compression Therapy for All Your Patients

For most venous leg ulcer patients with edema, 3M also offers $3M^{\text{\tiny TM}}$ Coban $^{\text{\tiny TM}}$ 2 Layer Compression System for patients with an ABPI of 0.8-1.0 mmHg.

Learn More

For your skin and wound care needs, 3M™ Coban™ 2 Layer Lite Compression System

products are compatible with:

3M™ Cavilon™ Skin Cleanser

3M[™] Cavilon[™] No Sting Barrier Film

3M™ Cavilon™ Durable Barrier Cream

3M™ Tegaderm™ Contact Layer

3M™ Tegaderm™ Foam Nonadhesive Dressings

3M[™] Tegaderm[™] Alginate Dressings

3M™ Tegaderm™ Ag Mesh Dressing with Silver

3M[™] Tegaderm[™] Ag Alginate Silver Dressing

3M[™] Tegaderm[™] Matrix Dressing

Total Solutions

To learn more about 3M[™] Coban[™] 2 Layer Lite Compression System products, visit us at www.3M.com/coban2layer, contact your 3M Skin Health representative or call the 3M Health Care Customer helpline at 1 800 364-3577. These products can be ordered from your local distributor.



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1001-00142E

3M[™] Coban[™] 2 Layer Lite Compression System

Designed with Intelligent Compression Dynamics



Ingineered to be Safe, Comfortable and Effective



3M[™] Coban[™] 2 Layer Lite Compression System reduces the risk of tissue damage on mixed venous and arterial disease patients with an ABPI of 0.5 – 0.8 mmHg. This patented two-layer compression system is clinically proven to:

- Be safe, comfortable and effective
- Provide sustained compression for up to 7 days
- Be preferred by patients for comfort
- Be easy to apply
- Enable patients to wear their ordinary footwear and clothing

3M™ Coban™ 2 Layer Lite Compression System is latex free.





Proven Safe for patients with Mixed Disease.

Improved Comfort Due to Reduced Resting Pressure.

Specifically designed for patients less tolerant of compression therapy, $3M^{\text{\tiny M}}$ Coban $^{\text{\tiny M}}$ 2 Layer Lite Compression System provides the same working dynamics as the original $3M^{\text{\tiny M}}$ Coban $^{\text{\tiny M}}$ 2 Layer Lite Compression System, with a 25% reduced resting pressure.

Effective, Therapeutic Compression.

3M™ Coban™ 2 Layer Lite Compression System is a safe, effective, comfortable option for the treatment of venous leg ulcers, lymphedema and other conditions where compression therapy is appropriate. The secure sleeve provides the appropriate amount of sustained compression to optimize patients' muscle movement to move fluid, improving venous return and reducing edema.

Reduces Slippage.

The materials are engineered to deliver Intelligent Compression

Dynamics for effective, sustained compression. The patented
interlocking materials cohere to each other, creating an inelastic sleeve
which grips the skin and reduces the potential for uncomfortable
slipping or bunching.

Patient Comfort Can Improve Adherence to Plan of Care.

Because it is comfortable, patients are more likely to keep the 3M[™] Coban[™] 2 Layer Lite Compression System on, increasing adherence to plan of care - improving the potential for more effective treatment.

Designed for Daily Living.

The thin, lightweight, breathable sleeve allows patients to wear their own shoes, so they can return to their regular daily activities.

Easy and Fast to Apply.

A simple, two-layer system that is applied by clinicians in half the time of four-layer bandage systems and is easy to teach and easy to learn.

Reduces Guesswork.

The compression layer is designed to be applied at full stretch, reducing application variability for consistent, reliable compression every time.

Clinical Study Overview

- A single-centre, open-label study was performed on 15 patients suffering from peripheral arterial occlusive disease with an ABPI of 0.5-0.8
- All patients received treatment with the 3M[™] Coban[™] 2 Layer Lite Compression System, which was in place for 1 to 4 days
- At each clinical visit, a variety of safety assessments were performed

Results

- An average supine subbandage pressure of approximately 28 mmHg was measured immediately after bandage application
- Laser Doppler flowmetry demonstrated positive effects on the capillary system after two weeks with the 3M[™] Coban[™] 2 Layer Lite Compression System treatment
- Measurement of limbs indicated reduced volume at end of study compared to baseline

Conclusion

The application of 3M™ Coban™ 2 Layer Lite Compression System was safe for patients with an ABPI between 0.5 and 0.8. 3M™ Coban™ 2 Layer Lite Compression System system was well tolerated by these patients. In addition, 3M™ Coban™ 2 Layer Lite Compression System demonstrated beneficial effects on the dermal capillary system.

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

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Objective

To assess the safety and tolerability of the Coban 2 Lite compression system in patients with an ankle brachial pressure index (ABPI) of 0.5-0.8 and to evaluate blood microcirculation during Coban 2 Lite compression system w

Materials and method

A single-center, quest-belle shady was performed on 15 polaretts suffering from peripheral anterial sociation disease with an ARF 90 5-0.0 E.g polaretts with ARF of 5.0.5 are 5.0.1 polaretts with ARF 9.0.5 are 5.0.1 polaretts with ARF 9.0.5 are 5.0.1 polaretts with ARF 9.0.5 are 5.0.1 polaretts with ARF 9.0.1 polaretts affected reclaration evenous disease was allowed but not necessary for recruitment 5.5 or 15 polaretts suffered from chronic evenous disease was allowed but not necessary for recruitment 5.5 or 15 polaretts suffered from chronic evenous functionary, All quietter increased teachers with the Count 2.0 the comparison supplied in the Count 2.0 the comparison supplied are 1.0 days, Teachers are summarized from 10 but based (see 1.0.2 the 1.0.2 the countries of the 1.0.2 the 1.0.2 the countries are 1.0.2 the 1.0.2 t

At each cunical was seen; assessments were performent measurement on the pussion to detect macrocrocustoms, Laser Doppler forwards at the feether obsesses microcriculation of the demicro clarity system; clinical signs of pressure related skin damage—autostantiated by transpeldermal water loss (ERML); pain sensations as potential sign of underperfusion and sub-handings pressure was measured at the B1-location, building, at baseline and at the end of the study limb volume was measured. A comfort questionnaire was completed at the end of the study.

An average supine subbandage pressure of approximately 28mmHg was measured immed

- No pressure related skin damage occurred in p
 No pain was reported.
- Laser Doppler flowmetry demonst system treatment:
- increased vasciniosoff (p=0.03),
 reduced respiratory reflux (p=0.01)
- maintained cardiac activity (p=0.21).
 Patient questionnaires showed high wearing comfort alth
- Patient questionnaires snowed night wearing comfort annough most patients currently were not to wearing compression bandages.



etween 0.5 and 0.8.

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Skin & Wound Care Divisi 3M Health Care 3M Center, Building 275-4W-0 St. Paul, MN 55144-1000 USA 1-800-228-3957 www.3M.com/beathcare Data on File at 3M. 3M and Coban are Trademarks of 3M Compan Please recycle. Printed in U.S.A. Bolger 10010870

References on file at 3M

Specialty Application for Highly Contoured Leg

Application of 3M™ Coban™ 2 Layer Compression Therapy products can be easily adapted to achieve a conformable, sustained level of compression for a variety of limb sizes and shapes.

Layer 1: The Inner Comfort Layer



With the foot in a dorsiflexed position, start the application with a circular winding at the base of the toes, beginning at the fifth metatarsal head.



The second circular winding should come across the top of the foot so that the middle of the bandage width approximately covers the articulating aspect of the ankle joint.



Bring this winding around the back of the heel and lay it over the top of the foot where it overlaps the underlying material.



Cut the wrap and gently press into place.



Apply the next winding by starting the roll at the previous cut edge. With minimal overlap, wind the wrap around the leg. Cut it when it overlaps the underlying material.



Proceed up the leg with individual windings using the same technique. End the application at the fibular head, or just below the back of the knee. Cut off excess material. Light pressure applied at the end of the bandage and down the leg ensures that it stays in place during application of the compression layer.

ABPI (Ankle-Brachial Pressure Index)

Use this table as a guide to interpret ABPI values in relation to compression.

	brachial systolic pressure (mmHg)											
		100	110	120	130	140	150	160	170	180	190	200
ankle systolic pressure (mmHg)	20	0.20	0.18	0.17	0.15	0.14	0.13	0.13	0.12	0.11	0.11	0.10
	30	0.30	0.27	0.25	0.23	0.21	0.20	0.19	0.18	0.17	0.16	0.15
	40	0.40	0.36	0.33	0.31	0.29	0.27	0.25	0.24	0.22	0.21	0.20
	50	0.50	0.45	0.42	0.38	0.36	0.33	0.31	0.29	0.28	0.26	0.25
	60	0.60	0.55	0.50	0.46	0.43	0.40	0.38	0.35	0.33	0.32	0.30
	70	0.70	0.64	0.58	0.54	0.50	0.47	0.45	0.41	0.39	0.37	0.35
	80	0.80	0.73	0.67	0.62	0.57	0.53	0.50	0.47	0.44	0.42	0.40
	90	0.90	0.82	0.75	0.69	0.64	0.60	0.56	0.53	0.50	0.47	0.45
	100	1.00	0.91	0.83	0.77	0.71	0.67	0.63	0.59	0.56	0.53	0.50
	110	1.10	1.00	0.92	0.85	0.79	0.73	0.69	0.65	0.61	0.58	0.55
	120	1.20	1.09	1.00	0.92	0.86	0.80	0.75	0.71	0.67	0.63	0.60
	130	1.30	1.18	1.08	1.00	0.93	0.87	0.81	0.76	0.72	0.68	0.65
	140	1.40	1.27	1.17	1.08	1.00	0.93	0.88	0.82	0.78	0.74	0.70
	150	1.50	1.36	1.25	1.15	1.07	1.00	0.94	0.88	0.83	0.79	0.75
	160	1.60	1.45	1.33	1.23	1.14	1.07	1.00	0.94	0.89	0.84	0.80
	170	1.70	1.55	1.42	1.31	1.21	1.13	1.06	1.00	0.94	0.89	0.85
	180	1.80	1.64	1.50	1.38	1.29	1.20	1.13	1.06	1.00	0.95	0.90
	190	1.90	1.73	1.58	1.46	1.36	1.27	1.19	1.12	1.06	1.00	0.95
	200	2.00	1.83	1.67	1.54	1.43	1.33	1.25	1.18	1.11	1.05	1.00

Source: Guide for the Management of Wounds in Patients with Lower-extremity Arterial Disease, 2002

- A ABPI < 0.5: Severe ischemia Compression should not be used
- B ABPI > 0.5: Moderate ischemia

 3M™ Coban™ 2 Layer Lite Compression System
- **ABPI > 0.8: Mild ischemia to normal** 3M™ Coban™ 2 Layer Compression System

3MT Coban Compression Therapy

Designed with *Intelligent Compression Dynamics*

3M[™] Coban[™] 2 Layer Compression Therapy

Application and Removal Techniques

3M™ Coban™ 2 Layer Compression SystemRecommended for Patients with Venous Disease

3M™ Coban™ 2 Layer Lite Compression SystemRecommended for Patients with Mixed Disease

3M

Layer 2: The Outer Compression Layer



Apply this layer at full stretch throughout its application. Hold the roll close to the foot and limb throughout the application for controlled, even compression. With the foot in a dorsiflexed position, start the application with a circular winding at the base of the toes, beginning at the fifth metatarsal head.



Using the "figure of eight" technique, bring the roll back over the top of the foot, across the bottom of the foot and back up to come around the back of the heel. Complete two or three figures of eight around the ankle ensuring that the entire heel is covered.



If needed for conformability and even coverage, you may cut the compression material and proceed up the foot and leg with individual windings at 50% overlap, making sure to press and conform each subsequent layer.



End the wrap at the fibular head, or just below the back of the knee and even with the top edge of the comfort layer. Cut off any excess material. Gently press and conform the entire surface of the application.

Removal



3M™ Coban™ 2 Layer Compression Therapy products may be removed with bandage scissors or by unwrapping.

Basic Application

Application and removal instructions are the same for both 3M[™] Coban[™] 2 Layer Compression System and 3M[™] Coban[™] 2 Layer Lite Compression System

Layer 1: The Inner Comfort Layer



Apply this layer with the foam side against the skin, using just enough tension to conform to the shape of the leg with **minimal overlap**. With the foot in a dorsiflexed position, start the application with a circular winding at the base of the toes, beginning at the fifth metatarsal head.



The second circular winding should come across the top of the foot so that the middle of the bandage width approximately covers the articulating aspect of the ankle joint.



The next winding runs over the back of the heel. The posterior plantar surface of the foot is not completely covered.



Please note that there may be a small fold of comfort layer material in the Achilles area. Guide this fold off the Achilles and lay it into the adjacent convex area. This fold will lay down smoothly without causing pain or discomfort when covered by

the compression layer.



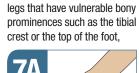
Proceed up the leg, to just below the fibular head, or the back of the knee with minimal overlap, using just enough tension to conform to the shape of the leg.



Cut off excess material.



Light pressure applied at the end of the bandage ensures that it stays in place during application of the compression layer.

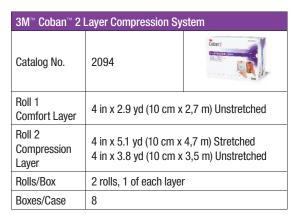


For patients with very thin



you can provide additional comfort and protection by cutting a piece of the comfort material and placing it over the top of the foot, running it up the leg to protect the tibial crest. At the articulating area, make a slit on each side of the strip to conform at the ankle. Gently press into place.

Ordering Information



3M™ Coban™ 2 Layer Lite Compression System					
Catalog No.	2794	Coban /			
Roll 1 Comfort Layer	4 in x 2.9 yd (10 cm x 2,7 m) Unstretched				
Roll 2 Compression Layer	4 in x 5.1 yd (10 cm x 4,7 m) Stretched 4 in x 3.5 yd (10 cm x 3,2 m) Unstretched				
Rolls/Box	2 rolls, 1 of each layer				
Boxes/Case	8				

Layer 2: The Outer Compression Layer



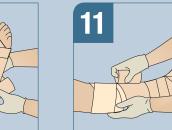
Apply this layer at full stretch throughout its application. Hold the roll close to the foot and limb throughout the application for controlled, even compression. With the foot in a dorsiflexed position, start the application with a circular winding at the base of the toes, beginning at the fifth metatarsal head.



The second circular winding should come across the top of the foot and around the back of the heel.



Using the "figure of eight" technique, bring the roll back over the top of the foot, across the bottom of the foot and back up to come around the back of the heel. Complete two or three figures of eight around the ankle, ensuring that the entire heel is covered.



Proceed up the leg with 50% overlap to cover the entire inner comfort layer. Maintain consistent stretch throughout the process.



End the wrap at the fibular head, or just below the back of the knee and even with the top edge of the comfort laver. Cut off any excess material.



Gently press and conform the entire surface of the application. This will ensure that the two lavers will bond firmly together, which helps reduce slippage.

Note: If you detect any gaps in the compression layer, you may apply additional compression layer material at full stretch.



3M[™] Coban[™] 2 Layer Compression Therapy products may be removed with bandage scissors or by unwrapping.

To learn more about 3M™ Coban[™] 2 Layer Compression Therapy products, visit us at www.3M.com/coban2layer, contact your 3M Skin and Wound Care representative or call the 3M Health Care Customer Helpline at 1-800-364-3577.

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