



**Health Care
3M Canada**

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3M Immobilization Products

Benefits and Applications



Casting ■ Splinting ■ Accessories

3M *Innovation*

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3M Casting Products

3M™ Scotchcast™ Plus Casting Tape

A lightweight, strong and durable casting tape that combines the benefits of a fibreglass casting tape with the handling ease of plaster. Available in 11 colours to meet patient preferences.



Product Benefits

- Water-activated resin lets you control working time according to application needs.
- High and early strength allows for weight bearing in 20 minutes and provides a durable cast with less chance of breakdown and the need for costly repairs or replacements.
- Lightweight for easy mobility.
- Stretches to conform well to contours for a more comfortable, better fitting cast.
- Porous weave allows the skin to breathe.
- Available in 11 colours to maximize patient satisfaction.

Suggested Applications

For use in the construction of orthopaedic casts.

3M™ Scotchcast™ Poly Casting Tape

Scotchcast poly casting tape is easy to use and mould, and conforms well to body contours, thus reducing the risk of constriction.



Product Benefits

- Highly radiolucent, lightweight and comfortable for your patients.
- Resilient and hard wearing as you expect from synthetic tapes.
- Contains no constricting elastic components.
- Full range of sizes available.

Suggested Applications

For use in the construction of orthopaedic casts.

3M™ Scotchcast™ Soft Cast Casting Tape

A fibreglass casting tape that does not set to a completely rigid state, but remains flexible and soft even when it is completely cured.



Product Benefits

- Flexible, soft cast allows for mobility to accommodate specific patient requirements.
- Casting tape is easy to apply and remove for fast application and enhanced patient comfort.
- The soft, pliable cast edges improve patient comfort.
- Ideal for use in combination with rigid Scotchcast casting tape, as soft edges provide additional comfort.

Suggested Applications

For use in the construction of casts where support is needed but rigid immobilization is not required, or a limited range in motion is desired.

Applications include:

- **Sports Medicine:**
thumb, wrist and ankle sprains
- **Pediatric Orthopaedics:**
serial casting for club foot treatment
- **General Orthopaedics:**
secondary casting, hybrid casting, corsets
- **Occupational Therapy:**
removable splints

The Dip Application Technique

Basic Dip Techniques

- For casting, select and apply the appropriate size 3M™ Synthetic Stockinet and 3M™ Synthetic Cast Padding. Then select the appropriate size roll of casting tape or splint material for your patient.
Note: Gloves must be worn while handling the casting tape so resin doesn't transfer to skin. No gloves are necessary for Scotchcast™ One-Step Splint.
- Immerse the roll of tape or splint material in room-temperature water (21-24°C). Give three firm squeezes of the roll or splint while it is submerged in water. For splints, blot on a towel to remove excess water. This will give a set time of approximately 3 minutes.
- For casting material, wrap the limb spirally and overlap by 50%. For splints, apply to the extremity with foam or felt against the skin and wrap with an elastic bandage.
- Mould and finish the cast or splint as desired. In areas of critical moulding, keep your hands in place for 30 seconds to speed setting.



Specialty Dip Techniques

- **To shorten set time**, use warmer water and squeeze the roll. If the roll or splint is immersed in water above 27°C, the roll will set more quickly and a slight increase in the amount of heat release may be noted.
- **To lengthen the set time** to about four minutes, immerse the roll or splint in cooler water and remove it immediately without squeezing. (If the casting material is not squeezed while submerged in water, there may be a decrease in slipperiness of the tape.)
- **If maximum set time is desired**, don't dip the roll or splint at all. When you are ready to mould, you can use a spray bottle to moisten the cast or splint or simply dip your gloved hand in water. Do not moisten splint after it is wrapped.

Note: Set Strength vs Functional Strength

Cast or Splint moulding should be performed until materials set, approximately three minutes after activated in water. Cast material will continue to harden until it reaches functional strength, about 20 minutes from the time it's activated in water.

3M Splinting Products

3M™ Scotchcast™ Conformable Splint

A ready-to-use, highly conformable splint made of layered fibreglass and pre-padded with water-repellent felt for quicker drying. Pre-packaged in a variety of sizes to meet application needs.



Product Benefits

Low-profile, one-sided felt padding is less bulky so it moulds more easily to the patient for a closer, more conformable fit.

- All-in-one splint allows for easy application and time savings. Faster application increases patient turnaround.
- Hypoallergenic, water-repellent felt padding dries much more quickly than standard padding.
- Provides strong, lightweight support in minutes to encourage early patient mobility.

- Less messy than plaster splints for easy application and faster cleanup.

Suggested Applications

For use in the construction of common orthopaedic splints.



3M™ Scotchcast™ Custom Length Splint

A cut-to-length fibreglass splinting material that is packaged in an easy-to-use, self-sealing system. The splinting material is made of layered fibreglass and is pre-padded with water-repellent felt.



Product Benefits

- Splint can be customized and cut to the exact length needed for less waste and cost-effective product use.
- Easy-to-use, self-sealing dispenser helps ensure freshness of splinting material.
- All-in-one splint allows for easy application and time savings. Faster application increases patient turnaround.
- Provides strong, lightweight support in minutes to encourage early patient mobility.
- Hypoallergenic, water-repellent felt padding dries much more quickly than standard padding.

Suggested Applications

- For use in the construction of common orthopaedic splints.
- Ideal for high volume users such as emergency departments.

3M™ Scotchcast™ One-Step Splint

A splint that incorporates foam padding, splint and breathable backing for easy, one-step application. Pre-packaged in a variety of sizes to meet application needs.



Product Benefits

All-in-one splint allows for easy application and time savings. Faster application increases patient turnaround.

- Conformable and mouldable for better patient fit.
- Provides strong, lightweight support to encourage early patient mobility.
- Available in a variety of pre-cut sizes to accommodate a variety of patient sizes and reduce the need to cut and customize splints.

Suggested Applications

For use in the construction of common orthopaedic splints.

3M™ Primacast™ Unpadded Splint

A revolutionary splint technology that offers the speed and strength users expect from synthetic splints with the conformability and feel of plaster. Available unpadded in a variety of sizes to meet patient treatment needs.



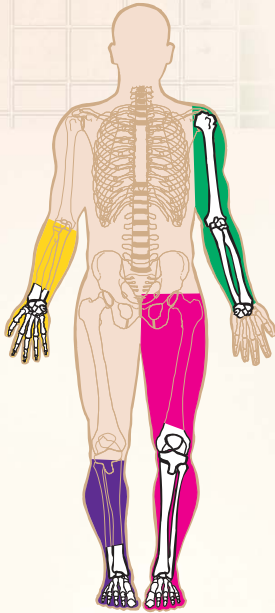
Product Benefits

- Offers the speed and strength you expect in synthetics, with a water-activated material that sets in approximately 3-4 minutes with adequate functional strength.
- Provides a plaster-like conformability for easy moulding and patient fit.
- Provides superior radiolucency for easier diagnosis from X-rays.
- Unpadded, for easy customization.

Suggested Applications

For use in the construction of common orthopaedic splints.

3M™ Primacast™ Splinting Guide



Splint Forearm, Wrist, Hand

Splint	Suggested Size	
Volar	2 in x 10 in	4 in x 15 in
	3 in x 12 in	
Thumb Spica	2 in x 10 in	3 in x 12 in
Ulnar Gutter	3 in x 12 in	4 in x 15 in
Sugar Tong	3 in x 35 in	

Upper Arm

Posterior Long-Arm	4 in x 30 in	5 in x 30 in
Sugar Tong	3 in x 35 in	5 in x 30 in
	4 in x 30 in	

Lower Leg, Ankle, Foot

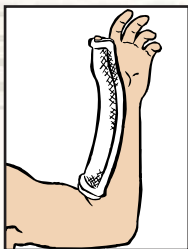
Posterior Short-Leg	4 in x 30 in	6 in x 45 in
	5 in x 45 in	8 in x 30 in
	6 in x 30 in	8 in x 45 in
Stirrup	5 in x 45 in	8 in x 30 in
		8 in x 30 in
	6 in x 45 in	8 in x 45 in

Full Leg

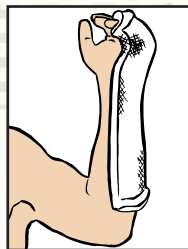
Medial-Lateral	4 in x 30 in	6 in x 45 in
Long-Leg	5 in x 45 in	8 in x 30 in
	6 in x 30 in	8 in x 45 in
	3 in x 35 in	6 in x 30 in
Posterior Long-Leg	4 in x 30 in	6 in x 45 in
	5 in x 30 in	8 in x 30 in
		8 in x 45 in
	5 in x 45 in	8 in x 45 in



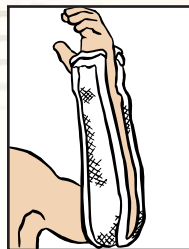
Volar Splint



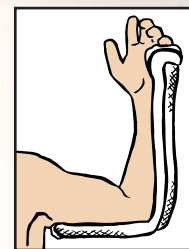
Thumb Spica Splint



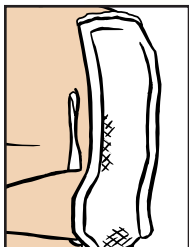
Ulnar Gutter Splint



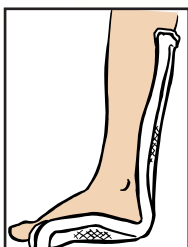
Sugar Tong Splint



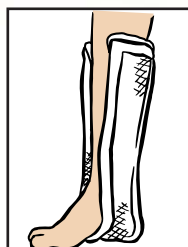
Posterior Long-Arm
Splint



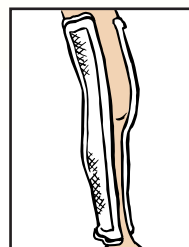
Sugar Tong Splint



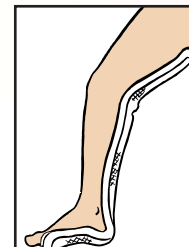
Posterior Short-Leg
Splint



Stirrup Splint



Medial-Lateral
Long-Leg Splint



Posterior
Long-Leg Splint

3M Casting Accessories

3M™ Synthetic Cast Stockinet

Essential component of a high-quality cast, this synthetic stockinet is intended for use as an underlayment for all standard casting applications. Suitable for use with all casting materials, plaster and synthetic.



Product Benefits

- Stockinet helps reduce water retention and improves patient comfort.
- Can be used for all standard casting applications and with all casting materials for greater versatility.
- Available in a variety of widths to meet your casting needs.
- 100% knitted polyester stockinet provides conformability for easy use.

Suggested Applications

For use as an underlayment for all standard casting applications.

3M™ Canvas Cast Shoes

A canvas cast shoe designed to improve the patient's gait while it protects the cast. The shoes are open at the toe and heel, and are available in light beige in a range of sizes.



Product Benefits

- Canvas shoe design improves the patient's gait.
- Protects the cast to reduce need for repair and replacement.
- Available in a variety of sizes to meet patient needs.

Suggested Applications

Protecting walking casts that do not have a walking heel attached.

3M™ Splint Scissors

A pair of scissors designed for use with 3M™ Scotchcast™ Custom Length Splints or for trimming other 3M splinting materials.



Product Benefits

- Designed for easy and precise cutting of Scotchcast custom length splints.
- Durable for long-lasting use.

Suggested Applications

- Cutting Scotchcast custom length splints.
- Trimming other 3M splinting materials.

3M™ Synthetic Cast Padding

A non-woven polyester padding that is porous, highly conformable, strong, yet easy to tear. Suitable for use with all casting materials.



Product Benefits

- Spun polyester padding provides protection and patient comfort, while helping reduce water retention for a drier cast.
- Strong and durable padding is easy to tear.
- Conforms easily to body contours.
- Porous to allow the skin to breathe.

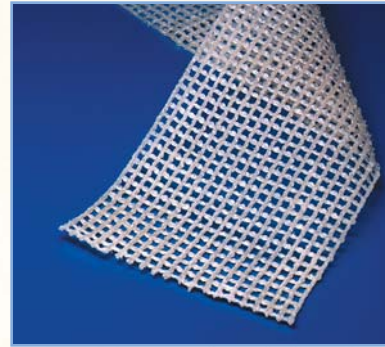
- Versatile padding can be used with all casting materials, plaster and synthetic.
- Available in a variety of widths to meet your casting needs.

Suggested Applications

Padding under casts.

3M™ Reinforced Strips

A reinforcing strip designed to aid in creating strong and durable fibreglass casts, particularly those likely to be exposed to significant challenges of breakdown or stress.



Product Benefits

- Reinforcing strips are easy to use for fast reinforcement of high stress casts.
- Provide strength and stability to improve cast durability and wear.
- Wide weave fibreglass mesh allows the cast to breathe better than with closed weave splints for cooler, lighter casts.

Suggested Applications

Reinforcing fibreglass casts, especially those likely to be exposed to significant challenges of breakdown or stress.

Ordering Information

3M™ Scotchcast™ Plus Casting Tape

Cat. No.	Description	Size	Rolls/Case
82001	White	1" x 2 yds. (2,5 cm x 1,8 m)	10
82002	White	2" x 4 yds. (5 cm x 3,6 m)	10
82003	White	3" x 4 yds. (7,5 cm x 3,6 m)	10
82004	White	4" x 4 yds. (10 cm x 3,6 m)	10
82005	White	5" x 4 yds. (12,5 cm x 3,6 m)	10
82002A	Black	2" x 4 yds. (5 cm x 3,6 m)	10
82003A	Black	3" x 4 yds. (7,5 cm x 3,6 m)	10
82004A	Black	4" x 4 yds. (10 cm x 3,6 m)	10
82005A	Black	5" x 4 yds. (12,5 cm x 3,6 m)	10
82002B	Blue	2" x 4 yds. (5 cm x 3,6 m)	10
82003B	Blue	3" x 4 yds. (7,5 cm x 3,6 m)	10
82004B	Blue	4" x 4 yds. (10 cm x 3,6 m)	10
82005B	Blue	5" x 4 yds. (12,5 cm x 3,6 m)	10
82002G	Green	2" x 4 yds. (5 cm x 3,6 m)	10
82003G	Green	3" x 4 yds. (7,5 cm x 3,6 m)	10
82004G	Green	4" x 4 yds. (10 cm x 3,6 m)	10
82005G	Green	5" x 4 yds. (12,5 cm x 3,6 m)	10
82002J	Glow-in-the-dark	2" x 4 yds. (5 cm x 3,6 m)	10
82003J	Glow-in-the-dark	3" x 4 yds. (7,5 cm x 3,6 m)	10
82004J	Glow-in-the-dark	4" x 4 yds. (10 cm x 3,6 m)	10
82002L	Light Blue	2" x 4 yds. (5 cm x 3,6 m)	10
82003L	Light Blue	3" x 4 yds. (7,5 cm x 3,6 m)	10
82004L	Light Blue	4" x 4 yds. (10 cm x 3,6 m)	10
82005L	Light Blue	5" x 4 yds. (12,5 cm x 3,6 m)	10
82002R	Red	2" x 4 yds. (5 cm x 3,6 m)	10
82003R	Red	3" x 4 yds. (7,5 cm x 3,6 m)	10
82004R	Red	4" x 4 yds. (10 cm x 3,6 m)	10
82005R	Red	5" x 4 yds. (12,5 cm x 3,6 m)	10
82002U	Purple	2" x 4 yds. (5 cm x 3,6 m)	10
82003U	Purple	3" x 4 yds. (7,5 cm x 3,6 m)	10
82004U	Purple	4" x 4 yds. (10 cm x 3,6 m)	10
82005U	Purple	5" x 4 yds. (12,5 cm x 3,6 m)	10
82002V	Bright Green	2" x 4 yds. (5 cm x 3,6 m)	10
82003V	Bright Green	3" x 4 yds. (7,5 cm x 3,6 m)	10
82004V	Bright Green	4" x 4 yds. (10 cm x 3,6 m)	10
82002W	Bright Orange	2" x 4 yds. (5 cm x 3,6 m)	10
82003W	Bright Orange	3" x 4 yds. (7,5 cm x 3,6 m)	10
82004W	Bright Orange	4" x 4 yds. (10 cm x 3,6 m)	10
82002X	Bright Pink	2" x 4 yds. (5 cm x 3,6 m)	10
82003X	Bright Pink	3" x 4 yds. (7,5 cm x 3,6 m)	10
82004X	Bright Pink	4" x 4 yds. (10 cm x 3,6 m)	10
82005X	Bright Pink	5" x 4 yds. (12,5 cm x 3,6 m)	10

3M™ Scotchcast™ Poly Casting Tape

Cat. No.	Description	Size (width)	(unstretched length)	(stretched length)	Rolls/Case
86001	White	1" (2,5 cm)	1.75 yds. (1,6 m)	2.3 yds. (2,1 m)	10
86002	White	2" (5,0 cm)	3.5 yds. (3,2 m)	4.5 yds. (4,1 m)	10
86002R	Red	2" (5,0 cm)	3.5 yds. (3,2 m)	4.5 yds. (4,1 m)	10
86002U	Purple	2" (5,0 cm)	3.5 yds. (3,2 m)	4.5 yds. (4,1 m)	10
86002B	Blue	2" (5,0 cm)	3.5 yds. (3,2 m)	4.5 yds. (4,1 m)	10
86003	White	3" (7,5 cm)	3.5 yds. (3,2 m)	4.5 yds. (4,1 m)	10
86003R	Red	3" (7,5 cm)	3.5 yds. (3,2 m)	4.5 yds. (4,1 m)	10
86003U	Purple	3" (7,5 cm)	3.5 yds. (3,2 m)	4.5 yds. (4,1 m)	10
86003B	Blue	3" (7,5 cm)	3.5 yds. (3,2 m)	4.5 yds. (4,1 m)	10
86004	White	4" (10,1 cm)	3.5 yds. (3,2 m)	4.5 yds. (4,1 m)	10
86004R	Red	4" (10,1 cm)	3.5 yds. (3,2 m)	4.5 yds. (4,1 m)	10
86004U	Purple	4" (10,1 cm)	3.5 yds. (3,2 m)	4.5 yds. (4,1 m)	10
86004B	Blue	4" (10,1 cm)	3.5 yds. (3,2 m)	4.5 yds. (4,1 m)	10
86005	White	5" (12,7 cm)	3.5 yds. (3,2 m)	4.5 yds. (4,1 m)	10
86005R	Red	5" (12,7 cm)	3.5 yds. (3,2 m)	4.5 yds. (4,1 m)	10
86005U	Purple	5" (12,7 cm)	3.5 yds. (3,2 m)	4.5 yds. (4,1 m)	10
86005B	Blue	5" (12,7 cm)	3.5 yds. (3,2 m)	4.5 yds. (4,1 m)	10

3M™ Scotchcast™ Soft Cast Casting Tape

Cat. No.	Description	Size	Rolls/Case
82101	White	1" x 2 yds. (2,5 cm x 1,8 m)	10
82102	White	2" x 4 yds. (5 cm x 3,6 m)	10
82103	White	3" x 4 yds. (7,5 cm x 3,6 m)	10
82104	White	4" x 4 yds. (10 cm x 3,6 m)	10
82105	White	5" x 4 yds. (12,5 cm x 3,6 m)	10

3M™ Scotchcast™ Conformable Splint

Cat. No.	Size		Each/Case
72210	2" x 10"	(5 cm x 25,4 cm)	10
72312	3" x 12"	(7,5 cm x 30,5 cm)	10
72335	3" x 35"	(7,5 cm x 88,9 cm)	10
72415	4" x 15"	(10,2 cm x 38,1 cm)	10
72430	4" x 30"	(10,2 cm x 76,2 cm)	10
72530	5" x 30"	(12,7 cm x 76,2 cm)	10

3M™ Scotchcast™ Custom Length Splint (CLS)

Cat. No.	Description	Size	Each/Case
76002	2" CLS	2" x 15' roll (5 cm x 457 cm)	1
76002D	2" CLS Door	6" x 6-1/2"	1
76003	3" CLS	3" x 15' roll (7,5 cm x 457 cm)	1
76003D	3" CLS Door	7" x 6-1/2"	1
76004	4" CLS	4" x 15' roll (10 cm x 457 cm)	1
76004D	4" CLS Door	8" x 6-1/2"	1
76005	5" CLS	5" x 15' roll (12,5 cm x 457 cm)	1
76005D	5" CLS Door	9-1/2" x 6-1/2"	1

3M™ Scotchcast™ One-Step Splint

Cat. No.	Size		Each/Case
76210A	2" x 10"	(5 cm x 25 cm)	10
76312A	3" x 12"	(7,5 cm x 30 cm)	10
76415A	4" x 15"	(10 cm x 37,5 cm)	10
76430	4" x 30"	(10 cm x 75 cm)	10
76530	5" x 30"	(12,5 cm x 75 cm)	10
86335	3" x 35"	(7,5 cm x 87,5 cm)	10
86545	5" x 45"	(12,5 cm x 112,5 cm)	10

3M™ Primacast™ Unpadded Splint

Cat. No.	Size		Each/Case
30210	2" x 10"	(5 cm x 25,4 cm)	15
30312	3" x 12"	(7,5 cm x 30,5 cm)	15
30335	3" x 35"	(7,5 cm x 88,9 cm)	15
30415	4" x 15"	(10,1 cm x 38,1 cm)	15
30430	4" x 30"	(10,1 cm x 76,2 cm)	15
30530	5" x 30"	(12,7 cm x 76,2 cm)	10
30545	5" x 45"	(12,7 cm x 1,1 m)	10
30630	6" x 30"	(15,2 cm x 76,2 cm)	10
30645	6" x 45"	(15,2 cm x 1,1 m)	10
30830	8" x 30"	(20,3 cm x 76,2 cm)	10
30845	8" x 45"	(20,3 cm x 1,1 m)	10

3M™ Synthetic Cast Stockinet

Cat. No.	Size		Each/Case
MS01	1" x 25 yds.	(2,5 cm x 22,8 m)	1
MS02	2" x 25 yds.	(5 cm x 22,8 m)	1
MS03	3" x 25 yds.	(7,5 cm x 22,8 m)	1
MS04	4" x 25 yds.	(10,1 cm x 22,8 m)	1
MS06	6" x 25 yds.	(15,2 cm x 22,8 m)	1
MS08	8" x 25 yds.	(20,3 cm x 22,8 m)	1

3M™ Canvas Cast Shoes

Cat. No.	Description	Size	Each/Case
73040D	Infant	–	6
73041D	Very Small	1, 2, 3	6
73061	Small	4, 5, 6	3
73062	Medium	6, 7, 8	3
73063	Large	8, 9, 10	3

3M™ Splint Scissors

Cat. No.	Each/Case
74002	10

3M™ Synthetic Cast Padding

Cat. No.	Size	Each/Bag	Bags/Case
CMW02	2" x 4 yds.	(5 cm x 3,6 m)	4
CMW03	3" x 4 yds.	(7,5 cm x 3,6 m)	4
CMW04	4" x 4 yds.	(10 cm x 3,6 m)	4
CMW06	6" x 4 yds.	(15 cm x 3,6 m)	4

3M™ Reinforcing Strips

Cat. No.	Size	Each/Case
70941	4" x 18"	10
70943	4" x 36"	10

For more information

For additional information contact your 3M Health Care Sales Representative, or call the 3M Health Care Customer Helpline at **1-800-364-3577**, or visit our web site at www.3M.com/healthcare.