

HM CAST

Hybrid Mesh Orthopedic Cast



New Cast Industry CO., Ltd,

11, Cheoyongsaneop 5-gil, Cheongnyang-myeon, Ulju-gun, Ulsan, Korea



EC REP Sanusmed Distribution Ltd,

Doamna Oltea str., no.33, 1st floor, Office no. 10, 2nd District, 020231, Bucharest, Romania

Phone.: +40 721261363 /Fax: +40 212311031/E-Mail: office@hmcast.eu /web: www.hmcast.eu

Description:

The HM CAST consists of a tubular mesh woven made of a polyester yarn impregnated with polyurethane resin. Exposure of HM Cast product to moisture or water initiates a chemical reaction which causes the product to become rigid.

Finished cast produced from HM Cast is lightweight and because it is specially woven, it creates an air layer, thus minimizing itching and odour. X-ray easily permeates and helps verify the detailed healing process of bones.

Also, the finished HM Cast product is water repellent. The polyester skin protector can easily be dried after showering with good ventilation and body heat.

Composition:

The HM Cast materials are composed of polyester fabric impregnated with a water-activated polyurethane resin.

Indications:

The HM Cast products are intended for use in the construction of most common orthopedic casts on for the body's extremities. The purposes of external rigid immobilization include:

- Immobilization of bone fractures
- Treatment of soft tissue and joint injuries
- Immobilization within treatments for correction or prevention of anatomical deformities.

Specific application suitability should be the responsibility of a qualified, on-site medical professional.

Specifications:

Package contents: 1 HM CAST and 1 Skin Protector.

HM Cast is available in various diameters for use on the body's extremities.

Article	Product Code	Description / Size/ Variation/Indication		
01-HMC225	HMC225	HM CAST 2 inch (5,08 cm x 25 cm)	Short arm	Kid
02-HMC245	HMC245	HM CAST 2 inch (5,08 cm x 45 cm)	Short leg / long arm	Kid/Adult
03-HMC335	HMC335	HM CAST 3 inch (7,62 cm x 35 cm)	Short arm	Kid/Adult
04-HMC350	HMC350	HM CAST 3 inch (7,62 cm x 50 cm)	Short leg / long arm	Kid/Adult
05-HMC370	HMC370	HM CAST 3 inch (7,62 cm x 70 cm)	Long leg / long arm	Kid/Adult
06-HMC435	HMC435	HM CAST 4 inch (10,16 cm x 35 cm)	Short arm/Short leg	Kid/Adult
07-HMC455	HMC455	HM CAST 4 inch (10,16 cm x 55 cm)	Short leg (Up to knee)	Adult
08-HMC490	HMC490	HM CAST 4 inch (10,16 cm x 90 cm)	Long leg	Adult
09-HMC555	HMC555	HM CAST 5 inch (12,7 cm x 55 cm)	Short leg (Up to knee)	Adult
10-HMC590	HMC590	HM CAST 5 inch (12,7 cm x 90 cm)	Long leg	Adult

HM CAST Application procedure:

■ Short Arm (with Thumb)

1. Roll The skin protector like a donut, place it on the fingertips and pull it up.
2. Take HM CAST out of packing and roll it in a donut shape.
Cut part of the cast if fixing the thumb.
3. Dip it in water (20~25°C) for 3 to 5 seconds, and gently shake couple times it out once or twice. (Do not squeeze!)
4. Leave about 3 cm on the ends of the skin protector(this is for the easy completion of folding the protector on the ends after treatment) on the thumb part, roll the sectioned cast and fold up the protector to fix it.
5. Unroll and raise the cast to the end, and then fold the end of the skin protector for the finish.
6. When doing molding, mold the cast with lightly moistened palms to make the cast fit and hard.
7. The HM CAST gets solid and able to fix well after 10~15 minutes.



■ Short Leg

1. Roll the skin protector in a donut shape, place it on the toes and unroll it.
2. Take HM CAST out of packing and roll it in a donut shape.
3. Dip it in the water (20~25°C) for 3 to 5 seconds, and gently shake couple times it out once or twice. (Do not squeeze!)
4. Leave about 3 cm on the ends of the skin protector (this is for the easy completion of folding the protector on the ends after treatment) and put on the cast over the protector and pull it up.
5. Fold both ends of the protector to wrap the cast up and mold it.
6. When doing molding, mold the cast with lightly moistened palms to make the cast fit and hard.
7. The HM CAST gets solid and able to fix well after 10~15 minutes.



Visit www.hmcast.eu for more information on the procedure:

<https://hmcast.eu/gallery-video/>

PRECAUTIONS AND NOTES:

Avoid breaking, folding or perforating the packing before its use.
Do not squeeze or wring. Do not use if the packaging is damaged.
Do not apply if show allergies, anaphylaxis, bleeding, inflammation, eruption or infection.

Shelf Life and Storage Requirements:

Store it horizontally. Store the product in a cool and dry place, away from the sunlight.
If the product is stored in a standing position, the hardening liquid inside the product is withdrawn and the strength of the product is uneven, making it unusable.
Keep at temperatures between 15°C and 30°C (ideally 22°C to 25°C.)
For Shelf-life, refer to the expiry dates. Each box and pouch is marked with lots and expiry dates.

Cast Removal & Disposal:

For HM Cast removal use an oscillation type cast saw or scissors. Cut cast edges are abrasive, take care to avoid scratches.
Cast can be incinerated or landfilled in accordance with local regulations.

Avoid skin contact:

When using the HM Cast, it is necessary to wear protective gloves because the resin applied adheres to the skin and clothing.
The HM Cast may only be used with an skin protector (tubular polyester under cast padding). Do not use the HM Cast on the direct patient's skin. If the resin does come into contact with skin, it can be removed with alcohol or acetone.

Make sure there is a good ventilation:

The coated polyester yarn with polyurethane resin contains a low volatile form of isocyanates.
It is generally recommended to process the HM Cast in ventilated rooms.
Pay attention to the water temperature of 21-24°C when using:
For processing the HM Cast, clean water with a temperature of 21-24°C should be used. Depending on the product, there is a noticeable warming in the patient during the curing period (exothermic reaction). This subsides within a few minutes. If warmer water (> 24°C) is used, the exothermic reaction is stronger; it can lead to a higher temperature development and undesired side effects.
When processing the HM Cast, it is generally recommended to maintain the water temperature as specified in these instructions.

Explanation of the symbols on the label:

 Manufacturer	 Keep away from sunlight
 Date of Manufacture	 Upper and lower temperature limitation
 Use by date	 Do no reuse
 Batch code	 Consult instructions for use
 Catalogue number	 Caution
 Do not use if package is damaged	 Keep dry
 Quantity in package	 Authorized EC Representative in the European Community
 Unique device identifier	 Medical Device