

## HM Cast Orthopedic Casting Tape

Hybrid Mesh Orthopedic Casting Tape



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### Description:

The HM Cast Orthopedic Casting Tape consists of a knitted polyester fabric impregnated with a polyurethane resin.

Exposure of HM Cast Orthopedic Casting Tape product to water initiates a chemical reaction which causes the product to become rigid.

Due to its flexibility, it easily achieves an elliptical form for articulated parts of the body, like an elbow, ankle, or knee, preventing injury from friction.

Finished casts produced from HM Cast Orthopedic Casting Tape are lightweight, durable and strong, porous and radiolucent.

### Composition:

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

### Indications:

The HM Cast Orthopedic Casting Tape products are intended for rigid immobilization through casting procedures for the body's extremities, the immobilization of bone fractures, and the treatment of soft tissue and joint injuries.

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

### Specifications:

Package contents: 1 roll of HM Cast Orthopedic Casting Tape.

HM Cast Orthopedic Casting Tape is available in various sizes for use on the body's extremities.

Article	Product Code	Description/Size/ Variation/Indication		
01-HMC2	HMC2	HM CASTING TAPE 2 inch (5 cm x 3,6 m)	Roll type	One Step (Kid/Adult)
02-HMC3	HMC3	HM CASTING TAPE 3 inch (7,6 cm x 3,6 m)	Roll type	
03-HMC4	HMC4	HM CASTING TAPE 4 inch (10 cm x 3,6 m)	Roll type	
04-HMC5	HMC5	HM CASTING TAPE 5 inch (12,7 cm x 3,6 m)	Roll type	

## HM Cast Orthopedic Casting Tape application procedure:

1. Wear protective gloves and apply appropriate padding over the entire area to be treated before opening the product.

2. Open each package just prior to use, and open one roll at a time.

3. Opening of the package:

Put the top of fingers in the finger hole to get a grip. Put thumb aside the notch and with the other hand, pull towards your body and down.

4. Once opened, immerse the roll in water for 3 to 5 seconds. Water temperature (20-25°C).

5. Lightly squeeze the cast out of the water 2 to 3 times.

6. Without applying much force, wrap it half way overlapped.

Treat the normal area with 3 to 4 layers, and the area supporting the weight, with 5.

7. Once molded, the final set will be completely achieved between 10 to 15 minutes.



## Precautions and Notes:

Avoid breaking, folding, or perforating the packing before its use.

Do not squeeze hard or wring. Do not use it if the packaging is damaged.

Do not apply if show allergies, anaphylaxis, bleeding, inflammation, eruption, or infection.

When using the HM Cast Orthopedic Casting Tape, it is necessary to wear protective gloves.

Skin contact with uncovered polymer must be avoided. If the resin does come into contact with the skin, it can be removed with alcohol or acetone.

If water immersion is anticipated, the casted extremity must be prepared with a water-repellent stockinette or padding. The cast must be constructed using a minimal amount of stockinette or padding. Patients must be instructed in techniques of drying their casts if they become wet, as prolonged wetting or ineffective drying can lead to skin maceration or other complications.

## Shelf Life and Storage Requirements:

Store the product in a cool and dry place, away from the sunlight.

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.

For optimum performance, the rotating stock is recommended.

## Cast Removal & Disposal:

For HM Cast Orthopedic Casting Tape removal use an oscillation type cast saw or scissors. Cut cast edges are abrasive; take care to avoid scratches.

HM Cast Orthopedic Casting Tape can be incinerated or landfilled following local regulations.

## Make sure there is good ventilation:

The coated polyester fabric with polyurethane resin contains a low volatile form of isocyanates.

It is generally recommended to process the HM Cast Orthopedic Casting Tape in ventilated rooms.

















## Pay attention to the water temperature of 21°C -24°C when using:

For processing the HM Cast Orthopedic Casting Tape, should be used clean water with a temperature of 21°C-24°C.

The setting reaction is exothermic, instruct the patient that the cast might feel warm during setting. 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 Orthopedic Casting Tape, 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 not re-use
 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