

HM SPLINT

Hybrid Mesh Orthopedic Splint



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Description:

The HM Splint is a synthetic splinting system, made from polyester fabric impregnated with a polyurethane resin and covered with span polar fleece on both sides.
 Exposure of HM Splint 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.
 X-ray easily permeates and helps verify the detailed healing process of bones.
 The finished HM Splint product is water repellent, it can be dried after showering with good ventilation and body heat.

Composition:

The HM Splint materials are composed of polyester fabric impregnated with a water-activated polyurethane resin, covered with span polar fleece on both sides.

Indications:

The HM Splint products are indicated for rigid external immobilization. The purposes for external rigid immobilization include immobilization through splinting procedures 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 Splint
 HM Splint is available in various sizes for use on the body's extremities.

Article	Product Code	Description/Size/ Variation/Indication		
01-HMS330	HMS330	HM SPLINT 3 inch (7,62 cm x 30 cm)	Pre-cut type	One Step (Kid/Adult)
02-HMS388	HMS388	HM SPLINT 3 inch (7,62 cm x 88 cm)	Pre-cut type	
03-HMS438	HMS438	HM SPLINT 4 inch (10,16 cm x 38 cm)	Pre-cut type	
04-HMS476	HMS476	HM SPLINT 4 inch (10,16 cm x 76 cm)	Pre-cut type	
05-HMS576	HMS576	HM SPLINT 5 inch (12,7 cm x 76 cm)	Pre-cut type	
06-HMS5114	HMS5114	HM SPLINT 5 inch (12,7 cm x 114 cm)	Pre-cut type	
07-HMS3450	HMS3450	HM SPLINT 3 inch (7,62 cm x 450 cm)	Roll type	
08-HMS4450	HMS4450	HM SPLINT 4 inch (10,16 cm x 450 cm)		
09-HMS5450	HMS5450	HM SPLINT 5 inch (12,7 cm x 450 cm)		

HM SPLINT Application procedure:

■ Short Arm Splint

1. If using a roll type, open the box, withdraw the plastic seal, then select and cut the most proper amount of the HM Splint. Place back the plastic seal to conserve the rest of the product.
2. If using a pre-cut type, select the most proper size for the patient. Remove splint from the pouch.
3. Submerge the pad into the water (20°C to 25°C) for 7 seconds.
4. Gently eliminate its water excess using a towel, then place the HM Splint pad on the part of the body to be treated. Fix it using a bandage.
5. Place the patient in the required position and maintain it still for 10 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 it if the packaging is damaged.
Do not apply if show allergies, anaphylaxis, bleeding, inflammation, eruption, or infection.
When using the HM Splint, 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.

Shelf Life and Storage Requirements:

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

Disposal:

HM Splint can be incinerated or landfilled following local regulations.

Make sure there is good ventilation:

The coated polyester yarn with polyurethane resin contains a low volatile form of isocyanates. It is generally recommended to process the HM Splint in ventilated rooms.

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

For processing the HM Splint, clean water with a temperature of 21°C -24°C should be used. The setting reaction is exothermic, instruct the patient that the splint 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 Splint, 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