



# NCM Prism™ Thermoplastic

## Indications

Use for custom-fabricated splints, braces or adaptive handles and equipment.

NCM Prism™ offers an array of vibrant colors, 100% memory, and the easy handling associated with elastic materials. NCM Prism™ can be handled aggressively without the fear of fingerprints and it can be remolded as often as needed. The unique coating helps prevent the material from accidentally sticking to itself. This coating also makes it possible to quickly and easily fabricate overlapping circumferential splints without the pinching, cutting, and trimming necessary with other colored materials.

NCM Prism™ Micro Perforated 1/12" (2.1mm) material is recommended for lightweight circumferential splints. NCM Prism™ Smooth 1/8" (3.2mm) material is recommended for single-surface splints.

## Instructions For Use

Heat splinting material in 140° to 160° F (60° to 72°C) water for approximately two minutes or until the material becomes pliable and transparent. Cut with scissors into desired pattern, while thermoplastic is warm.

## Fabrication Instructions

### Circumferential Splints

1. Place the cut material on the area being splinted and gently stretch the material around it (as shown in Figure 1), until the material edges overlap by at least 2" (5.1cm). Hold in place until the material cools. NCM Prism™ will cool to hold its shape in 1½ to 2 minutes.
2. Remove the splint and trim the overlapping edges as needed. Allow a minimum of 1" (2.5cm) overlap. Apply adhesive-backed hook on the splint. Use loop straps to secure the splint in place (Figure 2).

### Single Surface Splints (not pictured)

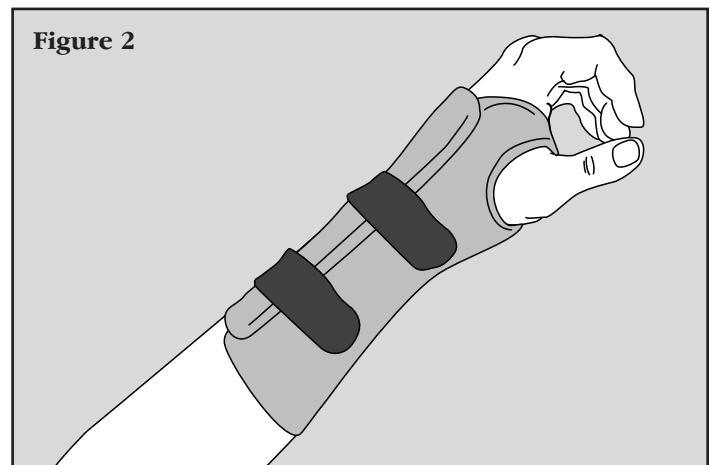
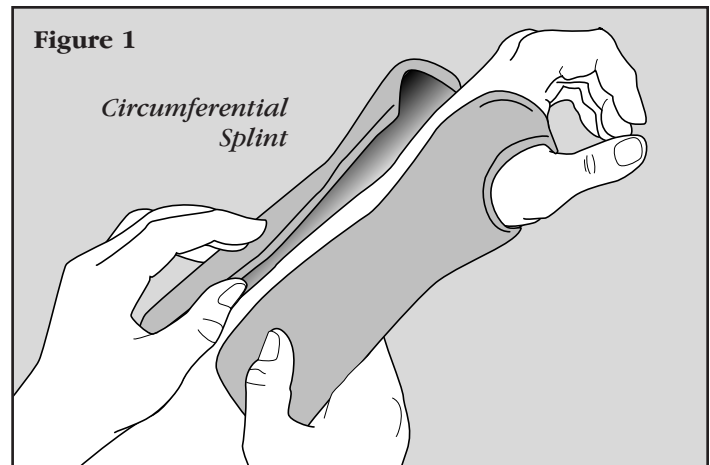
1. Position warm thermoplastic on the area being splinted. Mold the material to the desired position and hold for 2 to 3 minutes or until the material holds the shape.
2. Use either wet or dry heat to soften NCM Prism™ enough to be trimmed with scissors. Apply adhesive-backed hook on the splint. Use loop straps to secure the splint in place.

### Adhering Prism™

1. To adhere two pieces of NCM Prism™ together, do one of the following: (a) remove the coating from the surface of both pieces by scratching the surfaces using a scratch awl, a scissor edge or a motorized sanding tool. (b) brush area two times with North Coast Solvent (NC12721). Allow the second layer to dry for one minute. Rub the coating off thoroughly by using your finger or a terry cloth towel.
2. Finish by lightly heating both pieces with a heat gun for 10 to 15 seconds and pressing them together. Allow to cool for a strong bond.

## Storage (Important)

Store large sheets in the original plastic bag. Place *paper between small pieces* to prevent sticking or coating removal.



To be used under the guidance of a qualified medical professional.



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