

## Indications

Ideal for persons who are unable to cooperate in the splinting process, i.e., for those with abnormal tone conditions or contractures. Its unique qualities make it perfect for circumferential splints, upper extremity and lower extremity positioning splints and pediatric non-weightbearing AFOs. The non-coated, tacky surface of this latex-free material gives the therapist a third hand to hold the splint in place.

## Instructions For Use

1. To begin splint fabrication, place material in 160° F (71° C) water for 2 minutes, or until the material is pliable.
2. Remove Solaris™ from the water when pliable. Place on clean counter top. Towel can be used to dry it but may leave lint marks. Solaris™ may be molded directly on the skin. Due to tackiness, apply stockinette to help prevent the thermoplastic from adhering to bandages.
3. Solaris™ can be stretched to curve smoothly around corners (elbow, heel) without pinching or buckling. Once heated, Solaris™ has about a 4 minute working time. The controlled stretch of Solaris™ allows more aggressive handling so the splinter can use firm pressure to help hold and form the splint.
4. To temporarily bond thermoplastic together, lightly pinch the two pieces together while warm and pliable. The pieces can be pulled apart once fully cooled. For permanent bond, heat the contact surface areas with a heat gun until soft, then firmly squeeze pieces together and let cool. To add straps, spot heat the adhesive side of the hook/loop strapping material and the surface of the splint where the strap will attach.
5. To form an outrigger, cut a strip of material, heat and shape it and then let it cool until hard. Reheat the end of the outrigger and the splint with a heat gun where the outrigger will be attached. Press the outrigger onto the splint and hold it until it is cool and hard. Make final adjustments with a heat gun as required.
6. Solaris™ can be reheated and remolded a few times. Due to moderate memory, when reheated, the shaped material will return somewhat to its original cut size.
7. Solaris™ is resistant to fingerprinting. Pressure marks will disappear if pressure is removed while the material is still warm. If pressure marks remain once the material is cool, heat surface lightly with a heat gun or briefly dip material in 160° F (71° C) water. Rub gently with your fingertip to "erase" undesirable marks or smooth uneven edges.



## Instructions For Care

Clean with mild soap and lukewarm water. However, do not immerse splint in water greater than 120° F (51° C). Keep splint away from heat sources such as a hot car, open flames, radiators or ovens. A thermoplastic splint will lose its shape in temperatures over 120° F (51° C).

## Solaris Thermoplastic Material

### Sheet Material

NC14030	Smooth	1/8" x 18" x 24"	(4)
NC14030-1	Smooth	1/8" x 18" x 24"	(1)
NC14031	Perforated	1/8" x 18" x 24"	(4)
NC14031-1	Perforated	1/8" x 18" x 24"	(1)
NC14032	Smooth	1/8" x 24" x 36"	(2)
NC14033	Perforated	1/8" x 24" x 36"	(2)

### Precut Splints

#### Resting Pan Position Splint

NC33960-1S	Small	(3)
NC33960-2S	Medium	(3)
NC33960-3S	Large	(3)

#### Wrist and Thumb Spica Splint

NC33933-1S	Small	(3)
NC33933-2S	Medium	(3)
NC33933-3S	Large	(3)

#### Sugar-Tong Splint

NC33901-1S	Small	(3)
NC33901-2S	Medium	(3)
NC33901-3S	Large	(3)

#### Long Arm Splint

NC33900S	One Size	(1)
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#### Posterior/Anterior Elbow Splint

NC33902-1S	Small/Medium	(3)
NC33902-2S	Large	(3)



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