

Kay-Splint Basics

Precautions for Finished Orthoses:

Splint adjustments are to be made only by a healthcare professional. The healthcare professional is responsible for providing wearing instructions and precautions to other healthcare practitioners, care providers involved in the patient's care, and the patient.

If unusual swelling, skin discoloration or discomfort occurs, use should be discontinued and a healthcare professional consulted.

Kay-Splint, the reliable thermoplastic brand exclusive to Patterson Medical, has been reformulated to meet more of your splinting needs than ever before. Advanced formulas provide two levels of flexibility — blend and control, for a variety of applications, including dynamic splints, back braces, and adaptive equipment.

BASIC // **Blend**

- *Combines rigidity and conformability*
- *Controlled stretch & drape*
- *Resistant to fingerprints*

BASIC /// **Control**

- *Moderate resistance to stretch*
- *High degree of control*
- *Resistant to fingerprints*

Instructions

Cutting

All Patterson Medical Kay-Splint materials may be cut at room temperature with heavy shears or by scoring with a utility knife, then bending along score line and completing cut with knife or scissors. Materials can also be heated briefly until material is just soft enough to cut easily with splinting scissors.

Heating

Hot water is the recommended method of softening Kay-Splint for cutting and forming. Monitoring water temperature with thermometer is essential to maintaining optimal working temperature. A pan liner may be used to help prevent overheating and sticking. Heat guns will not provide uniform softening over large

Water Temperature and Working Times for Kay-Splint Materials

Temperature	Heating Time	Working Time
160°F (72°C)	Approx. 1 min.	1 - 3 min.

areas and are recommended only for spot heating and heating small areas. Adjustments can be made on completed splints by spot heating with a heat gun or by briefly dipping the part requiring modification into heated water, then reforming.

Cooling

Cold water, cold spray or cool air speed the normal cooling time of the Kay-Splint materials.

Bonding

Kay-Splint materials are self-bonding when both pieces are hot and dry. Bonding may also be accomplished with Universal Bonding Agent (7225-08). These same bonding methods apply to the attachment of hook and loop straps and outriggers.

Finishing

Edges self-seal when cut while warm, but are easily smoothed by heating with a heat gun or dipping briefly into hot water and then smoothing with a finger tip or palm of hand. Rolling of edge may also be utilized to improve cosmesis of splint or to improve patient comfort.

Cleaning

All Kay-Splint materials can be easily cleaned with soap and lukewarm water. Avoid hot water while cleaning as this will soften completed splint.



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