

FURNITURE ADHESIVE AND RESIN CURING

An easy and effective way to cure adhesives and resins used in furniture construction and manufacturing

Application

Adhesives and resins used in the furniture manufacturing and assembly processes often need to be heated in order to cure properly, ensure strength, and maintain structural uniformity. Adhesives are used to bond parts together and may require fixtures to properly align parts, holding them in the correct position while the adhesive cures. Resins may be poured into a mold where it will become a solid surface after curing. Surface heat is sometimes required for quickly curing resins and adhesives in order to increase product quality and speed production. These applications may require a heater that can easily conform to complex geometries of furniture parts. If pressure is required to assure the resin properly fills the mold, the heater must also withstand the applied pressure.

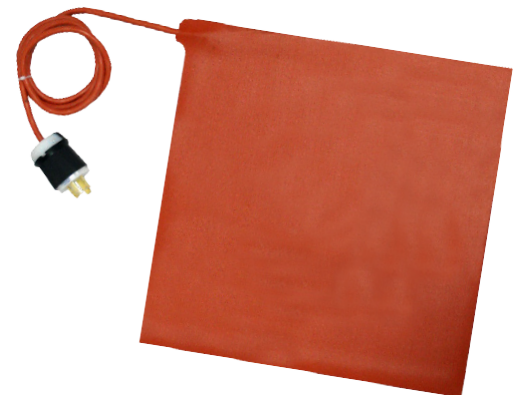


Solution

BriskHeat SR series silicone rubber heating blankets are ideal heaters to cure adhesives and resins for furniture manufacturing. They provide the necessary heat while a temperature controller ensures the blanket maintains the specified temperature for the adhesive and/or resin to cure. The heating blanket's smooth surface and extreme flexibility will easily conform to the contours of the furniture but will not leave a pattern on soft surfaces. The uniform heat generated by the heating blankets provides a reliable cure for consistent and repeatable manufacturing. Always use a release film or peel ply between the material being cured and the heater to keep the heater surface free of contamination. Alternately, adhesives can be cured with BriskHeat's hot air gun.



Manufacturers of adhesive and resin materials provide specific information on how their materials are to be cured in order to maximize performance. Resins may require a ramp/soak program to slowly bring the material up to temperature and then maintain that temperature for a specific period of time. BriskHeat's TT tabletop composite curing controller can be used with to control an SR heating blanket. The TT is also included as part of the BRISKAIRSP-1 Hot Air Gun Curing System.



Additional Uses

SR silicone heating blankets can be used for nearly any application that involves the use of uniform heat to cure an adhesive, resin, epoxy, etc.

Industries

Composite/Epoxies/Resins	Manufacturing
Consumer/Residential	Woodworking

Types of Users

Production Workers	Woodworkers
Home Hobbyists	Production Managers
Design Engineers	Repair Technicians

