



LION GRIP

Adhesive / Adhésif

R 1093NF

FEATURES AND BENEFITS:

LIONGRIP R 1093 Foam / Fabris Spray Grade non-flammable based synthetic rubber adhesive formulated for bonding a variety of porous and non-porous substrates. Foam to foam and fabrics; Fabric to wood, metal and plastics; Foam to wood, metal and plastics; Bonds a variety of other surfaces. Intended for use in the manufacture of foam fabrication, bedding and mattress, insulation, decorative panels, carpeting underlayments marine and automotive applications for carpeting and headliner applications.

The consistency of R 1093 provides easy and uniform coverage, by spray in all types and sizes of operations. It's excellent bond adhesion plus good heat resistance provides uniform bonds under a wide variety of conditions.

R 1093 has no reported VOC's allowing it to be used in OTC states requiring use of low VOC materials.

CHARACTERISTICS:

A spray grade foam / fabric adhesive in a non-flammable base solvent. R 1093 offers excellent spray ability, good open time and excellent bond adhesion along with the fire safety, and VOC exemptions obtained by using a non-flammable solvent.

PHYSICAL PROPERTIES:

Base:	Synthetic Rubber
Solvent:	Methylene Chloride
Solid Content (approx.):	27% +/- 1%
Density:	10.13 lbs/gallon
Viscosity:	250 cps
Color:	Natural
Flash Point:	None
Open Time:	30 minutes
Dry Time:	2 – 4 Minutes
Recommended Coverage:	200-250 sq. ft. / gallon bonded surfaces
VOC:	0 grams/liter (EPA Method 24)
Shelf Life:	1 year in unopened container
Clean Up:	Lion Grip Cleaner/Thinner RS02020L, R009 or RCCAR

PACKAGING & COLOR:

R1093NF2071L Green 5 gal / 19 liters

DISCLAIMER OF WARRANTY:

Manufacturer and distributor of this product make no warranty, express or implied, including, but not limited to any implied warranty of fitness for a particular purpose. No warrantee is made as to the use or effects incidental to such use, handling or possession of the materials herein described. User is responsible for determining whether this product is fit for a particular purpose and method of application and assumes all risk and liability associated herewith. Manufacturer liability is limited to replacement of product or reimbursement of purchase cost, at its sole discretion. No representative of ours has authority to change this provision which relates to all sales.

See Material Safety Data Sheet for Proper Handling and Safety Information

REV 3/15

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Foam / Fabric Adhesive Spray

APPLICATION:

1. Substrates should be clean and free of moisture, dirt, oil and other contaminants.
2. For best results, adhesive and substrates should be allowed to acclimate to room temperature (approximately 60°F or above) before adhesive application.
3. Apply a minimum of 3.0 dry grams/sq. ft. For best results, apply two coats of adhesive to any porous surface; one base coat and a secondary top coat. Allow the second coat to completely dry before assembly. The adhesive should cover 80% of the surface of the substrate. The coated substrate surface should exhibit a uniform glossy sheen when the adhesive is completely dry. Dull areas indicate insufficient coverage. Adhesive should be re-applied to these areas.
4. Make sure to coat all exposed edges and corners with two coats of adhesives. When bonding porous substrates, it is advisable to apply two coats of adhesive. The first coat will act as a sealer and prevent excessive absorption of adhesive into the substrate. After the first coat has dried, apply a second coat. Allow the second adhesive coating to dry completely before assembly.
5. Allowing the contact adhesive to dry completely before assembly is essential to obtaining a secure, permanent bond. To check for adhesive dryness, press the back of your fingers onto the adhesive surface. If adhesive transfers to fingers, additional dry time is necessary. If there is no adhesive transfer, the substrates are ready for bonding.
6. If areas exist with excessive adhesive deposition, allow additional dry time to ensure complete evaporation of the solvent before bonding.
7. Dry times can be improved through the use of air movement, drying ovens, lamps, etc.
8. Substrates may be indexed together and bonded once the adhesive is dry. Bonds must be made within the open time of the adhesive. (Open times vary by adhesive. See specification on Page 1.)
9. Uniform pressure on the bonded laminates is necessary to create strong, lasting bonds. 40 pounds per linear inch is recommended to ensure complete fusion between the two layers of adhesive. A pinch roller is the ideal method for applying uniform pressure. When used properly, a J-roller can also provide sufficient pressure for bonding.
10. All contact adhesive bonds are immediately able to be routed, trimmed, cut, filed and machined.

SPRAY INFORMATION:

	Manual	Systems	Automatic	Systems
	Binks	DeVilbiss	Binks	DeVilbiss
Spray Gun	95, 2001,2100	JGA510, MSA510	21,95A	AGX550
Fluid Tip	63B-SS	FX	63C-SS	FX
Fluid Needle	663A, 563A	FX	263A,663A	FX
Air Cap	66SD-3	24	66SD-3	24

APPLICATION PRECAUTIONS:

Do not use in applications with copper or aluminum components.
Do not use on polystyrene foams or plasticized vinyls
Do not mix with other adhesives. Thinning the adhesive is not recommended.

Do not apply using equipment that is made of or contains parts made of copper or aluminum.

STORAGE:

Rotate stock, use oldest first. Keep covered to prevent solvent loss and contamination.
Do not freeze. Store product between 60 – 80°F.
If frozen, return to room temperature prior to use.
Some agitation may be required if frozen. Return to room temperature and then stir the material.