



LIONGRIP R065

PREMIUM FLAMMABLE SPRAY GRADE
POLYCHLOROPRENE CONTACT ADHESIVE

PRODUCT DESCRIPTION

The LIONGRIP R065 is a premium flammable spray grade polychloroprene contact adhesive that is fast drying with high heat resistance and excellent green strength for postforming and flat work. A workhorse product designed for a variety of applications.

BENEFITS

- Excellent room temperature contact bonds
- Excellent green strength and high heat resistance for postforming applications
- Fast drying with a long open time
- Excellent spray characteristics and breakup by hot spraying (49°C/120°F max) or cold spraying
- Bonds HPL, particleboard, plywood, steel, and many plastics

SUGGESTED USES

Ideal for bonding decorative plastic laminates (HPL) to particleboard, MDF, plywood, etc. in the fabrication of postformed kitchen and bathroom countertops as well as cabinets, millwork, store fixtures, etc.

- The LIONGRIP R065 can also be used to laminate most porous and non-porous materials such as sheet metal, plywood, drywall and particleboard to polystyrene foam or honeycomb cores, etc.
- **Do Not** laminate copper or its alloys with this adhesive.
- **Do Not** use with unbacked, plasticized vinyls.
- **Note:** The use of plywood as a core material with HPL may void the HPL manufacturer's warranty.

PACKAGING

5 US Gallon Pails

PHYSICAL PROPERTIES

Base:	Polychloroprene rubber
Solids Content:	18.5 +/- 1%
Viscosity:	180 – 220 cP
Specific Gravity:	0.80
Weight/Gal:	6.67 lb
Coverage/Gal:	310 ft ² @ 1.8 dry grams/ft ² ; 155 ft ² completed bond
Open Time:	60 minutes
Color:	Natural (R0652011L)
VHAP:	0.78 lb/lb of solids
VOC:	4.80 lb/gal (576 g/L); less water and exempt solvents

HANDLING & STORAGE

- 12 month shelf life from date of manufacture.
- Freeze/Thaw Stable; if chilled below 10°C/50°F – agitate well after first warming to 22°C/72°F.
- Store between 10°C/50°F and 32°C/90°F.
- Keep container tightly closed and stored off of the floor when not in use.
- Avoid exposure of containers to direct sunlight.
- **Do Not** apply or make bonds at temperatures below 18°C/65°F.
- Use at room temperature, 18°C/65°F, or warmer. For best results use above 22°C/72°F.

MEET OR EXCEEDS

- LEED Indoor Environmental Quality Credit 4.4; Low Emitting Materials: Composite Wood and Laminate Adhesives
- No added urea-formaldehyde
- OTC Rules for Adhesives & Sealants - Contact Bond Adhesive
- Commercial Item Description A-A-1936A (1996); Type I-B (supersedes Fed. Spec. MMM-A-130B)
- Woodwork Inst. of Cal. Type II adhesive
- Mil. Spec. MIL-A-21366A

CONDITIONING OF MATERIALS

Allow the core and overlay materials to acclimate together at the same temperature and humidity for at least 48 hours before bonding. Optimum conditions are approximately 22°C/72°F and relative humidity of 45% - 55%. Provisions should be made for the circulation of air around the components.

ADHESIVE APPLICATION

1. Ensure that the spray system oil and water traps are functioning, drained regularly and are at least 25 ft from the air compressor.
2. The adhesive should be applied at a coating weight of 1.8 - 2.2 dry grams per ft² to achieve 80% coverage by hand spray application, with near 100% coverage around the edges. For automatic spray applications, a minimum of 1.5 dry grams per ft² should be applied. The atomization pressure at the gun should be 80 - 100 psi, fluid pressure should be 10 - 15 psi.
3. Allow the adhesive to dry properly before bonding.
 - i. To check for dryness press the back of your fingers into the adhesive and lift up; any adhesive transfer or legginess indicates that more dry time is required.
 - ii. **Do Not** use the palm of your hand to check for dryness, it is often dirty and may leave oily residues which will interfere with bonding.
 - iii. Heavy areas on the adhesive may form a skin on the surface of the adhesive. Press the back of your fingers into the adhesive and twist to tear the skin open. Allow more dry time.
 - iv. The adhesive is ready for bonding when it feels tacky, but there is no transfer or legginess.
 - v. Drying time will vary depending on ambient temperature, humidity and coat weight. Drying time can be reduced by using air movement, drying ovens, etc.
4. Bonds can be made as soon as the adhesive is dry. Bonds made any time during the 60 minute open time will be as strong as those made immediately after drying.
5. Apply two coats of LIONGRIP R065 to porous materials such as plywood and edges. Allow the first coat to dry (this will act as a sealer) before applying the second coat. Allow the second coat to dry completely before bonding. This ensures that the adhesive does not soak in below the board surface and that there is enough adhesive on the surface to achieve a strong, permanent bond.
6. A dull appearance to the dry adhesive surface indicates that an insufficient amount of adhesive has been applied.
7. Position the pieces carefully as a strong, irreversible bond is made instantly upon contact.
8. Apply uniform pressure to ensure proper fusion of the adhesive surfaces. A pinch roller is the best method of applying pressure. Apply the maximum amount of pressure possible without damaging the substrates. **Minimum recommended pressure is 25 psi.** This is easily achieved with a 3" J-roller. **RUBBER MALLETS, BLOCKS OF WOOD, FLOORING ROLLERS, ETC.** may not apply sufficient pressure to achieve good fusion of the adhesive surfaces and are not recommended.

NOTE

- A drying issue called "**Blushing**" often occurs under extremely humid conditions. "**Blushing**" occurs when rapidly evaporating solvents cause the temperature of the adhesive surface to drop below dew point. Condensation then forms on the surface of the adhesive and acts as a barrier to further drying; it also interferes with the fusion of the two glued surfaces and prevents them from bonding. All moisture must be completely evaporated before bonding. Moderate air movement (shop fan) is the preferred method to speed drying while reducing or eliminating "Blushing" issues. Bonds can be made once all moisture and solvents have completely evaporated.
- A failed contact adhesive bond with a shiny appearance to the surface of the adhesive is an indication that the recommended open time was exceeded and/or that inadequate laminating pressure was applied during assembly.
- **Do Not Exceed the Recommended Open Time! Apply Sufficient Laminating Pressure!**
- **Do Not** use copper or its alloys to transfer or contain any contact adhesive.
- Thinning the adhesive is not recommended.

CLEAN-UP

- Remove adhesive overspray from parts using cleaner RS02020L or Citrus Cleaner RCCAR.
- **Never** use lacquer thinner to thin adhesive or clean equipment.

WARRANTY: Because Seller has no control over methods of product application or conditions of use, its product is warranted only to be made of standard commercial grade materials and in conformance with Seller's published specifications, if any. Any recommendations for the use of the product are based on tests or experience believed to be reliable and are furnished without compensation, and Seller does not guarantee the applicability or the accuracy of this information or the suitability of its product in any given situation. Buyer must make its own tests to determine the suitability of Seller's product for Buyer's particular use and Buyer assumes all risk and liability of use of Seller's product.