



LADH1531AC

SOLVENT-BASED ADHESIVE

KEY FEATURES

- High water, oil, and heat resistance
- Sprayable
- Excellent green strength

DESCRIPTION

Bostik LADH1531AC is a neoprene solution contact adhesive designed for spray application onto a variety of substrates. It is suited for high-speed application where large, uniform, coverage is needed for quick bonding. Once applied, the laminate can be processed quickly, eliminating excess processing time for bond strength development.

KEY BENEFITS

- Useful in a variety of environments
- High-speed application
- Fast processing times

SHELF LIFE

The shelf life of LADH1531AC is 270 days (9 months) when stored between 55 – 100°F (13 – 38°C).

COUNTRY OF MANUFACTURE

United States

APPLICATION TECHNIQUES

1. Adhesive should be gently agitated prior to use. Gentle agitation consists of mixing the adhesive with a speed that allows a small vortex to be produced around the prop shaft that does not pull air into the adhesive.



VENEER BONDING

TYPICAL PHYSICAL PROPERTIES

Description	Results
Appearance	Tan Liquid
Total Solids	16%
Viscosity (LVF #2 @ 60rpm, 25°C)	185 cP
Density	6.7 lbs/gallon
Flash Point (SCC)	-22°F (-30°C)

Vigorous mixing of the adhesive will draw air into the product, which will introduce moisture and cause solvent evaporation. Adhesive should be mixed for at least 10 minutes to ensure the material is homogeneous. It should not be mixed more than 30 minutes. Alternatively, agitation may be done by drum roller. The container should be rolled for at least 30 minutes and no more than 3 hours. Keep container tightly closed when not in use.

LADH1531AC is flammable. Take appropriate precautions when handling open containers. Containers should be grounded, equipment should be explosion proof and proper ventilation should be used.

2. Substrates to be bonded should be clean and free from moisture, dirt, oil and other contaminants. Exposure to oils and plasticizers at the bondline can cause degradation of the bond over time.

3. The adhesive should be applied by conventional spray equipment. An orifice of at least 1.4 mm should be used for the fluid tip / needle. The air cap should have a minimum number of holes, to prevent clogging and make easier clean-up.

4. For contact bonds, coat weight should be 2-5 g/ft² dry weight. This adhesive coat weight should be applied to both substrates.

5. Allow the material to dry properly prior to bonding. Forced drying with circulating air oven is recommended to eliminate the variability seen with drying at plant ambient conditions. Recommended drying is 80°C for 1 - 3 minutes. The optimum condition varies depending on oven choice, the amount of air flow over the part, and the amount of air exchange within the unit itself. The adhesive is flammable. Take appropriate cautions to handle material to prevent fires and explosions; use proper ventilation and grounding techniques with both liquid and vapors.

6. Bonds can be made once the adhesive is dried. Open time (from the point that the adhesive is dry until it is bonded) should be minimized for optimum bonding. Prolonged open time will allow the adhesive to collect contaminants from the environment.

7. Position pieces carefully. Strong bond is made upon contact, limiting repositioning of the part. Use slip-sheets if necessary to assure proper alignment occurs.

8. For contact bonds, press parts together for 10-15 seconds at 7 psi (0.5 kg/cm²). Press and dwell time are critical to contact bonding. Individual users should determine conditions appropriate to their specific application. Adhesive should have adequate green strength for handling immediately.

9. Clean up of material can be done with Ethyl acetate, MEK, or Methylcyclohexane when the material is wet. If the adhesive is dried, MEK or Methylcyclohexane are better choices for cleaning.

HEALTH & SAFETY PRECAUTIONS

The Safety Data Sheet should be consulted for proper handling, clean up and spill containment before use. Keep containers covered to minimize contamination.

LIMITED WARRANTY

The Limited Warranty for this product can be found at www.Bostik-US.com/resource-center/warranties or by calling 1-800-726-7845 (choose option 2, then option 2 again). TO THE MAXIMUM EXTENT ALLOWED BY LAW, BOSTIK DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. UNLESS OTHERWISE STATED IN THE LIMITED WARRANTY, THE SOLE REMEDY FOR BREACH OF WARRANTY IS REPLACEMENT OF THE PRODUCT OR REFUND OF THE BUYER'S PURCHASE PRICE. BOSTIK DISCLAIMS ANY LIABILITY FOR DIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES TO THE MAXIMUM EXTENT ALLOWED BY LAW. DISCLAIMERS OF IMPLIED WARRANTIES MAY NOT BE APPLICABLE TO CERTAIN CLASSES OF BUYERS AND SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. It is the buyer's obligation to test the suitability of the product for an intended use prior to using it. The Limited Warranty extends only to the original purchaser and is not transferable or assignable. Any claim for a defective product must be filed within 30 days of discovery of a problem, and must be submitted with written proof of purchase.

BOSTIK HOTLINE

Smart help
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