

L10

High Temp - High Performance Spray Contact Adhesive

product description

TensorGrip L10 is suitable for bonding HPL and fabrics to a variety of substrates including MDF, chipboard, plywood and many other timber sheet materials. **TensorGrip L10** is designed for permanent bonding of materials where immediate bond strength and high heat resistance is required. Always test **TensorGrip L10** to determine suitability for your particular application prior to use in production.

Benefits

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- Fast drying, High Tack.
- Excellent room temperature contact bonds.
- Excellent green strength and high heat resistance.
- Fast drying with good open time.
- Excellent bond adhesion for MDF, plywood, Laminate etc.
- Portable and convenient.
- Airless spray.

directions for use

Usage Tip

In high humidity, "blushing" may occur.

A "blush" is caused from the rapid evaporation of the solvents, which causes the temperature in the immediate area to drop.

When the temperature reaches the dew point, moisture will form on the surface of the adhesive. Once the "blush" has formed, the solvent cannot penetrate the moisture, and the moisture will act as a barrier between the two glue lines. The moisture must be allowed to dry before bonding. The best method to help speed drying is with air movement. Once the moisture is removed and you give the solvents time to flash off, the bond can be made.

Application Guidelines

1. Substrates to be bonded should be clean and free from moisture, dirt, oil and other contaminants.
2. Hold spray gun at a consistent distance of 150mm – 250mm from the substrates producing a web pattern across the substrates with minimal overlap.
3. The adhesive should be applied at a coating weight of 20 dry grams per sq.m, or 80% to 100% coverage.
4. When applying **TensorGrip L10** to porous materials, it may be necessary to apply two coats. Apply the first coat and allow to dry. This will act as a sealer. When dry apply the second coat and allow to dry properly before bonding. This helps to ensure that the adhesive does not soak-in to substrate and that you have the proper amount on the surface to achieve a strong, permanent bond.
5. Allow the adhesive to dry properly before bonding. To check for dryness use the back of your fingers and press into the adhesive and lift up. Any adhesive transfer indicates that the adhesive requires more time to dry. If the adhesive feels tacky, but there is no transfer, the adhesive is ready for bonding. If there are heavy areas of adhesive present, press the back of your fingers in the adhesive and twist. If a skin has formed, this will tear it open and allow you to notice that the adhesive requires more dry time. **Do Not** use the palm of your hand to check for dryness. Dry time can vary depending on temperature, humidity and coating weight.
6. Bonds can be made as soon as the adhesive is dry.
7. Position the pieces carefully, since the strong bond is made instantly upon contact.
8. Use good uniform pressure to ensure good film fusion. A roller is the optimum method for applying pressure. Use the maximum possible pressure without damaging the substrates.

special precautions

SPECIAL PRECAUTIONS

For optimum results store canister above 18°C during use, (preferably above 10°C.) Allow substrates to acclimatise to normal room temperature (18°C) for 48 hours before bonding. Do not exceed open time of the adhesive. Keep canister off cold concrete floors during use. If adhesive is expelled wet or as a jet, canister is too cold – move to warm environment and allow to thoroughly acclimatise before reusing.

CAUTION

- Use only in well ventilated areas.
- **Do Not** thin or reactivate with solvents.
- **Do Not** incinerate.
- **Do Not** expose canister to extreme heat over 50°C.
- Keep away from sources of ignition.
- Release pressure before disconnecting hose.
- Test for suitability before use.

MSDS and Technical Data Sheets **MUST** be read and understood before use.

Information contained in this technical literature is believed to be accurate and offered in good faith for the benefit of the consumer. The company however cannot assume any liability or risk involved in the use of its chemical products since the conditions of use are beyond our control. Statements concerning the possible use of our products are not intended as recommendations or to infringe on any patent. These products are for industrial use only.

Chemical-technical Data

Typical Properties

- Solids Content: 28 - 30.0%
- Specific Gravity:
- Heat Resistance: > 98°C
- Open time: 30mins
- Shelf Life: 1 year
- Colour: Clear
- Flammability: Non Flammable adhesive with flammable propellant.
- Dry time: 2-3 mins approx

Storage

HANDLING & STORAGE

- Consult Material Safety Data Sheet prior to use.
- **Do Not** store at temperatures over 50°C.
- Avoid exposure to direct sunlight.
- **Do Not** store directly on concrete floor.
- For optimum performance, store at 18°C during use, (preferably above 10°C.)
- When connected, keep valve open and hose pressurised at all times.
- **Do Not** close valve until ready to connect to new cylinder.
- Release pressure in hose before disconnection.
- Always test **TensorGrip L10** to determine suitability for your particular application prior to use in production.

