L17

High Temp - High Performance Contact Spray Adhesive - Class 1 FR

Product Description

Tensorgrip L17 is suitable for bonding HPL and fabrics to a variety of substrates including MDF, chipboard, plywood and many other timber sheet materials. **Tensorgrip L17** is designed for permanent bonding of materials where immediate bond strength and high heat resistance are required. **Tensorgrip L17** can also be used for bonding sheet metals, where surface preparation is very important – surface must be degreased and lightly abraded with fine abrasive or non woven material.
ALWAYS test **Tensorgrip L17** to determine suitability for your particular application prior to use in production.
NOT RECOMMENDED for use with plasticised vinyl's, flexible plastics, expanded/extruded polystyrene, PE or PP.

Benefits

- Fast Drying
- Good Heat Resistance
- High Solids
- Portable System
- Easy Application Control
- Class 1 Fire Rating
- BS 6222 Bond Strength Approval

Directions for Use

Prepare the surface to be bonded, ensuring both faces are clean, free of dust, dirt and grease. If necessary wipe clean with proprietary solvent cleaner.
Hold spray gun at a constant distance of between 100-250mm (4-10") from the surface, allowing adhesive to cobweb across the surface with minimal overlap for thick laminates, or approx. 50-70% overlap to successive passes for thin laminates to reduce risk of telegraphing. (**Note** – correct coat weight must be achieved.)
Maintain a constant speed of application during spraying, applying a consistent and thorough coating without allowing the adhesive to puddle or heavily 'wet' the surface. Maximum bond strength is achieved with coverage of between 80-100% with a recommended coat weight of 21 grams per square metre.
Maximum adhesion will be obtained by spraying mating faces at 90° to each other, i.e. one face vertically, the other face horizontally. Double coating perimeter of face and edges is recommended.
Do Not angle spray gun or move in an arc while spraying. Hold gun at 90° to surface while spraying. Release trigger at end of each pass to optimise coverage.
Substrates which are difficult to bond, e.g. metal-faced HPL, or products with a memory, may require double coat.
Best results are obtained by double coating rather than one heavy coat which may result in heavy wetting of surface and extended drying times.
Allow adhesive to dry (time may vary due to humidity and temperature variations).
Test for dryness using back of hand only - surface should be tacky but adhesive should not transfer to the skin. Position substrates correctly and press together working from the centre outwards. Apply adequate pressure using nip roller, or 75mm hand J-roller and body weight as a minimum, in order to achieve at least 35 psi at the glue line.
Note that repositioning is not possible after contact has been made. Immediate trimming / routing is possible. Most of final strength is achieved after 24-48 hours depending on temperature and humidity, full cure is 7 days.

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SEAL OF ASSURANCE 100% SATISFACTION QUIN

Special Precautions

For optimum results store canister above 18°C during use, but must always be 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 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 Date 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 to infringe on any patent. These products are for industrial use only.

Chemical Technical Data

TYPICAL PROPERTIES

- Viscosity 350 cps 25°C sp#2,
- 30r.p.m.
- Total Solids 28%-30%
- Colour Clear or Green
- System
- Flammability Non flammable adhesive in flammable propellant
- Shear > 250 p.s.i.
- Tensile (180° Peel) > 25 p.s.i.
- 90° Peel (6.25 sq.cm) > 25p.s.i.
- Shear adhesion failure temp.
- (SAFT) 100gram > 124°C
- Heat resistance (25mm/100gram)
- 115°C
- Dry time 1-2 mins dependant on temp & humidity
- Open time 30 mins
- Coverage 21 dry grams/m²

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, but must always be 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 L17** to determine suitability for your particular application prior to use in production.