

# TensorGrip®

# L17

HI-TEMP RESISTANT  
WEB SPRAY CONTACT  
ADHESIVE

SUITABLE FOR:



Aluminium



Standard Laminate



FRL



FRP/GRP



Plasterboard

PROPERTIES:



Web Spray



Class-1 Fire Rating



IMO "WheelMark"  
Approved

# TECHDATA

## PRODUCT DESCRIPTION

TensorGrip® L17 is a high performance contact adhesive with a unique resin formula which creates a tough and resilient bond line between decorative surface materials and all common wood substrates. Suitable for bonding HPL, GRP and aluminium to a wide variety of substrates including MDF, chipboard, plywood and many other timber sheet materials and is designed for permanent bonding 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.

## ADVANTAGES

- Fast Drying.
- IMO "WheelMark" Approved
- High Temp Resistance - 120°C.
- Class 1 Fire Rating.
- BS 6222 Bond Strength Approval.
- Portable Systems.

## DIRECTIONS FOR USE

- This product is designed to be applied to two surfaces to be bonded together. Make sure that surfaces are clean, dry and free from dirt, dust, oil, loose paint, wax or grease, etc. For best results, the temperature of the adhesive and the surfaces being bonded should be between 60 degrees F - 80 degrees F (16degrees C - 27 degrees C).
  - may degrade some substrates. Spray about 10-20 cm (4" – 8") away at a 90 degree angle to the surface, applying a uniform, even coat of adhesive to obtain 80% to 100% coverage of the surface. If necessary, spray another coat of adhesive in areas that appear to need more adhesive. Spray both surfaces to be bonded, one surface vertically and the other surface horizontally. Allow the adhesive to tack off until no adhesive transfers to the knuckle when touched.
- Use with adequate ventilation. When possible we recommend shaking the canister well before using. Attach and secure hose tightly onto the spray gun with required tip. Attach the other end of the hose onto the canister. Make sure the hose-valve connections are securely tight. Open the valve on the canister slowly and fully, check for leaks during this process. Unlock the trigger on the spray gun to start spraying.
- Adhere surfaces and press together with adequate pressure. A roller is recommended to apply a uniform pressure to achieve maximum strength. Allow 24 hours for the adhesive to fully cure.
- Prior to use, Check compatibility by spraying a small test patch of the adhesive on the substrate. This product
  - If the spray tip clogs, unscrew the spray tip from the gun and clean with solvent such as lacquer thinner or acetone. Do not use a pin on the spray tip orifice.

## 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, aerosol is too cold – move to warm environment and allow to thoroughly acclimatise before reusing.
- 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

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HI-TEMP RESISTANT  
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ADHESIVE

AVAILABLE IN:



500ml Aerosol



22ltr Canister



110ltr Intermediate

COLOURS:



Clear



Green



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.

#### CAUTION

- Use only in well ventilated areas.
- DO NOT thin or reactivate with solvents.
- DO NOT incinerate.
- DO NOT expose to extreme heat > 50°C.
- Keep away from sources of ignition.
- Test for suitability before use.

## CHEMICAL TECHNICAL DATA

### TYPICAL PROPERTIES

Viscosity	350 cps 25°C sp#2, 30r.p.m.
Total Solids	28%-30%
Colour	Clear or Green
Flammability	Non-flammable adhesive solution 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 temperature (SAFT)	100gram > 120°C
Heat resistance (25mm/100gram)	> 120°C
Dry time	1-2 mins dependant on temp & humidity
Open Time	30 mins
Coverage	21 dry grams/m <sup>2</sup>
SHELF LIFE	18 months from date of manufacture

### PACKAGING

500ml	Aerosol suitable for industrial and general public use
22ltr	Disposable Canister (suitable for industrial use only)
110ltr	Disposable Canister (suitable for industrial use only)

## 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.
- Always test product to determine suitability for your particular application prior to use in production.

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