

M31 HS INFUSION/RTM MOULD SPRAY ADHESIVE

DATA SHEET
TensorGrip



As part of our MARINE range, M31 is a high-strength mist spray adhesive suitable for fabric glass bonding applications and for use in fibreglass infusion.

PRODUCT DESCRIPTION

TensorGrip® M31 is designed for the Marine infusion mould market, this product is a high performance, solvent-based polymer adhesive in a pressurised canister delivery system. M31 is specifically designed to hold reinforcing fibres in place during the infusion process of the resin without affecting the surface finish or structural integrity.

ADVANTAGES

- Used for Infusion/Vacuum Forming composites.
- Safely fuses laminating materials to structural core surfaces.
- Provides superior holding during forming process.
- Allows resin to obtain maximum tensile shear strength.

DIRECTIONS FOR USE

- This product is designed to be applied to one of the surfaces to be bonded together. It can also be applied to both surfaces if required. Applying adhesives to both sides may be required when bonding core foams and balsa core materials. 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 16°C - 27°C.
- Use with adequate ventilation. When possible we recommend shaking the canister or aerosol well before using. When using a canister, 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.
- Spray about 10-20 cm 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. If using a two way stick, 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.

- Adhere surfaces and press together with adequate pressure.
- If the spray tip clogs, unscrew the spray tip from the gun and clean with solvent such as lacquer thinner or **TensorGrip® S105** acetone cleaner. Do not use a pin on the spray tip orifice

CANISTER STORAGE/CHANGE OVER

- If you choose to leave the hose and spray gun on the canister, leave the valve on the canister open. Do not disconnect the hose/gun from the canister. Close and lock the spray gun.
- To change or disconnect canister: turn canister valve to the off position, spray out remaining adhesive left in the hose, disconnect the spray hose and gun from the canister.
- Reconnect the spray hose to a new canister of adhesive. OR if you are NOT connecting to a new canister, connect hose to canister of cleaning solvent (sold separately) and spray out until liquid is clear which indicates that the hose and gun is clean.

QUIN GLOBAL AU

PO Box 6196, Queanbeyan, Australia, NSW 2620

PH: +61 2 6175 0574 | sales@quin-global.com.au | www.quinlobal.com

QUIN
GLOBAL

Tensor®

CHEMICAL TECHNICAL DATA

TYPICAL PROPERTIES

- Total Solids 28-30%
- System flammability: Adhesive in flammable solvent & propellant
- Shear: Not determined
- Tensile: Not determined
- Shear adhesion failure temp Not determined
- (SAFT): Not determined
- Heat Resistance: Not determined
- Dry Time: 3-5 mins dependant on temperature and humidity
- Open Time: 30 mins
- SHELF LIFE: 18 months from date of manufactur

PACKAGING

- 650ml Aerosol Cans
- 22L Disposable Canister
- 220L Returnable Canister

STORAGE

HANDLING & STORAGE

- Consult Material Safety Data Sheet prior to use.
- Do not store at temperatures over 120°F/50°C.
- Avoid exposure to direct sunlight.
- Do not store directly on concrete floor.
- Always store above 60°F/15°C
- When connected, keep valve open and hose pressurized at all times
- Always test our adhesives to determine suitability for your particular application prior to use in production

DISCLAIMER OF WARRANTY: Quin Global makes neither warranty of merchantability or fitness for any use nor any other warranty, express or implied, in the sales of its products. Buyer assumes all risk and liability for the results obtained by the use of its products, whether used singly or in combination with other products.