

M31 INFUSION MOLDING ADHESIVE

DATA SHEET
TensorGrip



As part of our **MARINE** range, **M31** is a mist spray adhesive designed for fiberglass infusion molding.

PRODUCT DESCRIPTION

TensorGrip® M31 designed specifically for marine infusion molding to overcome the problems normally associated with using other types of adhesives, such as bonding failure, resin blockage and surface defects in the finished product. Formulated for superior results when used with polyester, vinyl ester and styrene resins in the infusion molding process.

ADVANTAGES

- Higher flash point than competing products
- Lower VOC formulation than our TensorGrip M30
- Safely fuses laminating materials to structural core surfaces
- Ultimately becomes part of the polymer matrix
- Very fast application
- Provides superior holding during forming process
- Allows resin to obtain maximum tensile strength
- Will not interfere with the curing process of vinyl esters, polyesters or styrene resin

DIRECTIONS FOR USE

- **TensorGrip® M31** is designed as a portable, self-contained spray system.
- Make sure surface is clean, dry and free of grease, oil, dirt and other contamination.
- Apply a sparing coat of TensorGrip M31 to the surface to be bonded.
- Do not wet the surface.
- Allow to dry and become slightly tacky.
- Apply fiberglass materials. Fiberglass material should hold in place.
- Build up composite material and allow to cure normally (preferably overnight).
- Continue with vacuum infusion process; the adhesive will aid the flow of resin through the materials and will become part of the composite.
- Remove the composite from the mold.
- Recommended operating temperatures range from 60°F to 100°F. Canister system should be kept in warm area. In the event that the canister gets abnormally chilled, freezes or gives poor or sputtering spray, it should be warmed up before continued usage. Warming canister by immersion in warm water is recommended.
- Notice!!! Do not store at temperatures over 120° F.

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.

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CHEMICAL TECHNICAL DATA

TYPICAL PROPERTIES

- Total Solids 26-32%
- VOC Content 180g/L
- Color Clear Red
- System Flammability Flammable adhesive; Non-Flammable propellant
- Solvent System Methyl Acetate & Hexane
- Dry time 2-4 mins dependent on temp & humidity
- Open time 5-20 minutes
- Shelf Life 18 months from date of manufacture

PACKAGING

- 650ml Aerosol Cans
- 7L Disposable Canister
- 22L Disposable Canister
- 108L 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.

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