

TensorGrip®



M81

HIGH PERFORMANCE HIGH TEMP LAMINATE ADHESIVE

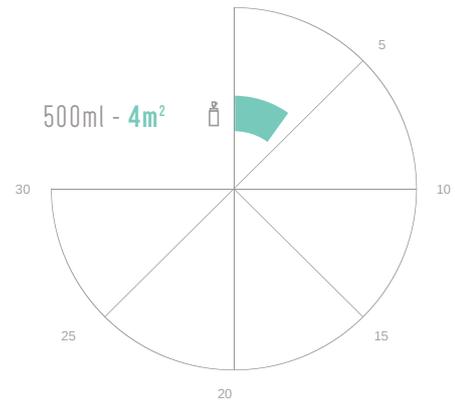
TensorGrip® M81 is a high performance contact adhesive that creates a tough resilient bond line between decorative laminate materials and wood substrates in the marine industry. TensorGrip® M81 is designed for permanent bonding where immediate bond strength and high heat resistance is required.

ADVANTAGES

- IMO "Wheelmark" Approved.
- High temp resistance - 120°C.
- Fine web spray adhesive.

TECHDATA

SQUARE METRE COVERAGE (m²)*:



APPLICATION:



FLASH-OFF*:



OPEN TIME*:



COLOUR:



SUITABLE FOR:

- Aluminium
- Standard Laminate
- Plastic
- FRP/GRP
- MDF
- Fabric

PROPERTIES:

- Web Spray
- EN13501 A2 s1d0 fire rated
- EU IMO Approved

*consult the Spray Manual for a more detailed tutorial on the bonding process.
*depending on ambient temperature.

CHEMICAL TECHNICAL DATA

Viscosity	350Cps
Total Solids	28%-30%
Colour	Clear
System Flammability	Non-flammable adhesive in a flammable propellant
Shear	1370N
Peel	39N
Shear adhesion failure temp (SAFT) 100grams	> 112°C
Heat resistance (25mm/100grams)	120°C
Flash-Off	2 - 3 minutes depending on temperature and humidity
Open time	Up to 40 mins
Shelf Life	18 months from date of manufacture

HANDLING & STORAGE

- Consult Safety Data Sheet prior to use.
- DO NOT expose to temperatures exceeding 50°C/122°F.
- Store at temperatures between 10°C and 25°C.
- Avoid exposing aerosol containers to high temperatures or direct sunlight.
- Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources.
- Shake well before use.
- To prevent nozzle from blocking, turn can upside down, press nozzle until spray is clear of adhesive.
- Replace cap after use to protect actuator / valve.
- Use only in a well ventilated area.
- Always test product to determine suitability for your particular application prior to use in production.

DIRECTIONS FOR USE

- This product is designed to be applied to two surfaces to be bonded together. For best results, the temperature of the adhesive and the surfaces being bonded should be between 60 °F - 80 °F (16 °C - 27 °C).
- Use with adequate ventilation.
- Prior to use, check compatibility by spraying a small test patch of the adhesive on the substrate. This product may degrade some substrates.



1. SHAKE WELL BEFORE USE.



2. Make sure that surfaces are clean, dry and free from dirt, dust, oil, loose paint, wax or grease, etc.



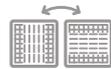
3. Spray about 10-20 cm (4" – 8") away at a 90° angle to the surface, applying a uniform, even coat of adhesive to obtain 80% to 100% coverage of the surface.



4. If necessary, spray another coat of adhesive in areas that appear to need more adhesive. Spray surfaces vertically and horizontally.



5. Allow 2 - 3 minutes for adhesive to tack off until no adhesive transfers to the knuckle when touched.



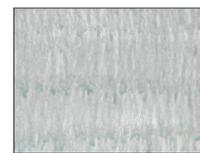
6. Adhere surfaces and press together with adequate pressure. Allow 24 hours for the adhesive to fully cure.

7. To prevent nozzle from blocking, turn can upside down press nozzle until spray is clear of adhesive. If nozzle becomes blocked, the adhesive can be removed with a solvent such as lacquer thinner or acetone.

COVERAGE



COVERAGE TOO LIGHT



COVERAGE TOO HEAVY



CORRECT APPLICATION = 20 dry gms/sqm