

TensorGrip®



TC48

SUPER FINE MIST INFUSION ADHESIVE

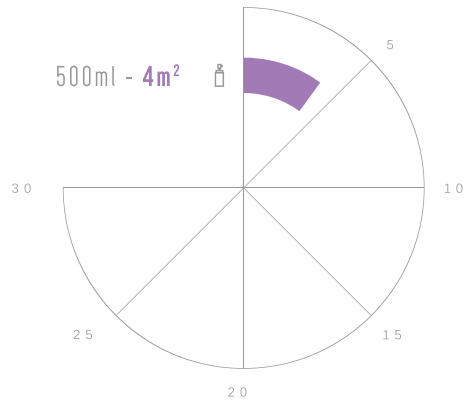
TensorGrip® TC48 is a super fine mist spray adhesive designed for Infusion moulding & RTM applications. TensorGrip® TC48 is specifically designed to hold reinforcing fibres in place without affecting the surface finish or structural integrity. TensorGrip® TC48 is compatible with polyester, styrene and vinyl ester resins.

ADVANTAGES

- Fine Mist Spray.
- High Tack.
- Repositionable.

TECHDATA

SQUARE METRE COVERAGE (m²)*:



APPLICATION:



1 or 2 sided

FLASH-OFF*:



1 min

OPEN TIME**:



Up to 5 mins

COLOUR:



Clear

SUITABLE FOR:



Thin Fabric



Thick Fabric



Fibreglass Infusion



Mist Spray

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

**depending on ambient temperature.

CHEMICAL TECHNICAL DATA

Viscosity	300 - 600Cps
Total Solids	28%
Colour	Clear
System Flammability	Flammable adhesive in a flammable propellant
Shear	27N
Peel	13N
Shear adhesion failure temp (SAFT) 100grams	n/a
Heat resistance (25mm/100grams)	n/a
Flash-off	1 minute depending on temperature and humidity
Open time	Up to 5 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 one side of the surfaces to be bonded together, However, It can be used for double sided bonding where required. For best results, the temperature of the adhesive and the surfaces being bonded should be between 50 °F - 80 °F (10 °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. Ensure that surfaces are clean, dry and free from dirt, dust, oil, loose paint, wax or grease, etc.



3. Spray approx 15-25 cm (6" - 10") away at a 90 degree angle to the surface, applying a uniform, even coat of adhesive to obtain approx. 10 dry g/m². See visual guide below). For low demand lay-up areas, apply adhesive to one surface only. For higher demand lay-up areas apply adhesive to both surfaces.



4. Allow 1 minute flash off time for tack to build up.



5. Adhere surfaces and press together with adequate pressure.



6. 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 = 5 - 15 grams/m²