

Tensor[®]

TC53

ECO-SOLV SUPERWEB INFUSION ADHESIVE



TensorGrip[®] TC53 Eco-Solv is a super high-tack web spray adhesive developed for a wide range of Infusion and RTM dry lay-up applications. It delivers outstanding initial grab and bond strength, making it ideal for demanding composite processes. The controlled web spray pattern ensures excellent performance and compatibility with core foam materials by minimising resin soak-in. TC53 is also particularly well suited to heavy mat lay-up applications and complex or detailed areas where maximum strength and secure positioning are critical. This next-generation formulation incorporates advanced Eco-Solv technology, utilising a lower-hazard, new-generation solvent system that is SVHC-free. It supports improved operator safety and environmental responsibility while maintaining the proven high-performance characteristics expected from the TensorGrip range.

ADVANTAGES

- ECO-SOLV SVHC free formulation
- Super high tack
- Low soak in for core foam compatibility
- Single sided application



TECHNICAL DATA

SUITABLE FOR

	Fibreglass Infusion		FRP/GRP
	Thick Fabric		Thin Fabric
	Web Spray		

COVERAGE

	500ml 	22ltr 
Single-sided	13m ²	N/A
Double-sided	N/A	N/A

**Depending on ambient temperature*

APPLICATION

 Single sided or Double sided

OPEN TIME**

 Up to 15 mins

FLASH OFF TIME***

 1-3 mins

SPRAY TYPE

 Web

COLOUR

Clear

ADHESIVE TYPE

SBR

CHEMICAL TECHNICAL DATA

Viscosity	350 - 350 cps
Solids	28%
System Flammability	Flammable Solvent / Flammable Propellant
Shear	625N
Peel	19N
(SAFT) 100grams	78°C
Heat resistance	80°C
Application Temperature	15 - 25 °C
Shelf life	18 months from date of manufacture.

HANDLING & STORAGE

- For full handling and storage details consult Safety Data Sheet section 7.
- For optimum performance during use keep the aerosol/canister between 10°C and 25°C.
- Shake well before use.
- Do not store below 10°C.
- Do not allow the product to freeze.
- Do not store directly on concrete floor.
- Do not incinerate and keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
- Avoid exposure to direct sunlight and extreme temperatures.
- Do not use in confined spaces without adequate ventilation and/or respirator.
- For full PPE information, consult Safety Data Sheet section 8.
- Replace aerosol cap after use to protect actuator / valve.

COVERAGE

Coverage for this product is calculated on an average coatweight of 20 grams per m² based on a two sided bond. Lower coatweight may result in reduced bond strength and/or bond failure.



✘ Coverage too light



✔ Correct application = 20 grams/m²



✘ Coverage too heavy

SURFACE PREPARATION

Surface preparation is crucial for achieving effective adhesion, make sure that surfaces are clean, dry and free from dirt, dust, oil, loose paint, wax or grease, etc. Any contaminants may affect adhesion.

For best bonding results, the adhesive temperature range should be between 10°C - 25°C. Optimum temperature is 18°C.

PRE BONDING INFORMATION

- Prior to use, check compatibility by spraying a small test patch of the adhesive on the substrate. This product may degrade some substrates.
- Always test the adhesive to determine suitability for your particular application prior to use in production.
- Consult both MSDS and TDS documents.
- When working with absorbent materials a higher coat weight is recommended.
- ALWAYS READ THE LABEL.

CAUTION

ALWAYS USE WITH ADEQUATE VENTILATION. For Full PPE Information Consult SDS (Safety Data Sheet) Section 8. Whenever possible we recommend shaking the canister well before use.

DIRECTION FOR USE



AEROSOL



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 10 to 20cm away from the substrate at a 90 degree angle to the surface, applying a uniform, even coat of adhesive to obtain approx. 10g/m².



4. For lower demand application and light weight materials, singled application may provide sufficient adhesion. For higher demand, inverted faces and heavier materials, apply adhesive to both substrates to achieve higher bond strength.



6. When working with absorbent materials testing is recommended to achieve correct coat weight for optimum bonding.



7. Please note that a higher coat weight will reduce overall coverage.

If applying the adhesive to both surfaces, allow the recommended 1 -3 min flash off time for the adhesive to tack off, temperature may affect drying times, ensure adhesive is touch dry.



Bring surfaces together with adequate pressure to form the bond, a roller is recommended to apply a uniform pressure to achieve maximum bond strength.

10. Allow 24 hours for the adhesive to fully cure.

If the aerosol spray nozzle clogs, turn the can upside down and press the nozzle until a small amount of propellant is expelled to clear the blockage.

AEROSOL REMOVAL OF ADHESIVE

To remove wet adhesive overspray, apply a solvent based cleaning product to the surface or to a rag and wipe away. Use warm soapy water to remove cleaner residue if required.

AEROSOL DISPOSAL



Dispose of the can as per your normal recycling process (subject to waste restrictions).



WARNING

Do not pierce or burn even after use.