

TensorGrip®



H54



DCM FREE, FR INSULATION ADHESIVE

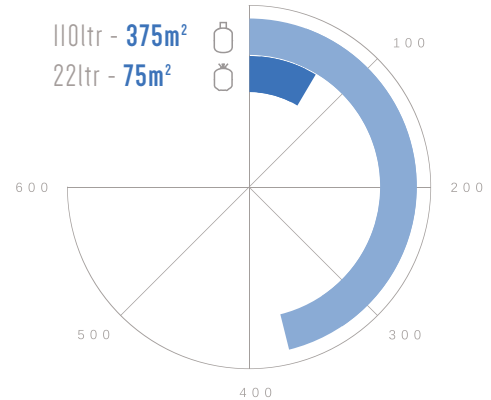
TensorGrip® H54 is a High-Performance contact adhesive suitable for bonding a wide range of porous and nonporous materials in the Insulation and Construction panel bonding applications such as foil, tissue, and plain-faced mineral and stone wool insulation to many substrates including aluminium/metal, wood, concrete, and plasterboard. **TensorGrip® H54** has been developed using New Generation Organic Solvent ensuring exposure to harmful solvents is reduced and DCM is eliminated. **TensorGrip® H54** also achieves EN13501 – 1:2008 Class A2 fire classification with a market-leading A2 s1 d0 test result making this a perfect product for use in fire-rated applications such as insulated building facades/curtainwall/bulkhead panel fabrication. *NOT RECOMMENDED for use with plasticised vinyls, flexible plastics, expanded/extruded polystyrene, PE or PP.*

ADVANTAGES

- New Generation Organic Solvent.
- Versatile Product for multiple applications.
- High Strength Bond.
- High temperature resistance.

TECHDATA

SQUARE METRE COVERAGE (m²)*:



APPLICATION:



FLASH-OFF*:



OPEN TIME*:



COLOUR:



SUITABLE FOR:

- Insulation
- Aluminium
- Concrete
- Plasterboard

PROPERTIES:

- Web Spray
- EN13501 A2 s1 d0 fire rated
- Organic Solvent

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

CHEMICAL TECHNICAL DATA

Viscosity	50 - 100Cps
Total Solids	30%
Colour	Clear
System Flammability	Flammable Solvent in a Flammable propellant
Shear	1188N
Peel	36N
Shear adhesion failure temp (SAFT) 100grams	110°C
Heat resistance (25mm/100grams)	115°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

CANISTER STORAGE/CHANGE OVER

Turn valve on canister into 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 canister of cleaning solvent (sold separately) and spray out until liquid is clear which indicates that the hose and gun is clean. 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.

HANDLING & STORAGE

- Consult Safety Data Sheet prior to use.
- DO NOT store at temperatures over 50°C.
- Avoid exposure to direct sunlight.
- DO NOT store directly on concrete floor.
- For optimum performance, store at 18°C during use, but must always be above 10°C.
- When connected, keep valve open and hose pressurised at all times.
- DO NOT close valve until ready to connect to new cylinder.
- Release pressure in hose before disconnection.
- Always test product to determine suitability for your particular application prior to use in production.

DIRECTIONS FOR USE

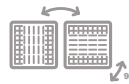
- This product is designed to be applied to two surfaces to be bonded together. The temperature of the adhesive and the surfaces being bonded should ideally be in the ambient temperature range of 16 °C - 27 °C. However the product will perform in temperatures down to 5°C if consideration is given to the additional flash off time required at low temperatures.
- Use with adequate ventilation. When possible we recommend shaking the canister well before using.
- 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.
- Prior to use, check compatibility by spraying a small test patch of the adhesive on the substrate. This product may degrade some substrates.



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



2. Spray about 10-15 cm (4" - 6") away at a 90° 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.



3. Spray both surfaces to be bonded, one surface vertically and the other surface horizontally.



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



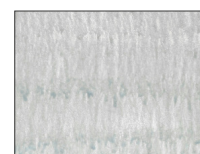
5. Adhere surfaces and press together with adequate pressure. A roller is recommended to apply a uniform pressure to achieve maximum strength. Allow 24 hours for the adhesive to fully cure.

6. If the spray tip clogs, unscrew the spray tip from the gun and clean with solvent such as lacquer thinner or acetone. Do not use a pin on the spray tip.

COVERAGE



COVERAGE TOO LIGHT



COVERAGE TOO HEAVY



CORRECT APPLICATION = 20 dry gms/sqm