

# TensorGrip®



## H44



### HIGH PERFORMANCE INSULATION SPRAY ADHESIVE

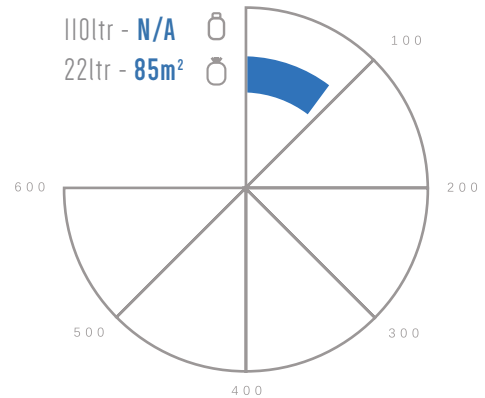
TensorGrip® H44 is a High-Performance Insulation Spray Adhesive developed to bond insulation materials including foil, tissue and plain faced mineral and stone wool insulation to many types of substrates. Such as aluminium/metal, wood, concrete, and plasterboard. TensorGrip® H44 has EU IMO Wheelmark Approval for Marine applications and is designed for permanent bonding where immediate bond strength and high heat resistance are required. TensorGrip® H44 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.

#### ADVANTAGES

- IMO "Wheelmark" Approved: 2434 / 2022. Certificate Number: 2434-MED-0073.
- Class A2 Fire Rating.
- High Temperature Resistance.
- Fast Drying.

#### TECHDATA

#### SQUARE METRE COVERAGE (m<sup>2</sup>):



#### APPLICATION:



#### FLASH-OFF\*:



#### OPEN TIME\*\*:



#### COLOUR:



#### SUITABLE FOR:

- Insulation
- Aluminium Sheeting
- Fabric
- Concrete
- Plasterboard
- MDF

#### PROPERTIES:

- Web Spray
- IMO "Wheelmark" Approved
- Class A2 Fire Rating

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

CHEMICAL TECHNICAL DATA

Viscosity	350 cps 25°C sp#2, 30 r.p.m
Total Solids	28% - 30%
Colour	Clear
System Flammability	Non-flammable adhesive in flammable propellant
Shear	1600 N/50mm or 32MPa
90° Peel	60N
Shear adhesion failure temp. (SAFT) 100gram	> 120°C
Heat resistance (25mm/100gram)	120°C
Flash Off	2-4 mins dependant on temp & 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

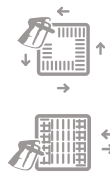
- Consult Safety Data Sheet prior to use.
- DO NOT store at temperatures over 50°C.
- Avoid exposure to direct sunlight.
- DO NOT store directly on concrete floor.
- For optimum performance, store at 18°C during use, but must always be above 10°C.
- When connected, keep valve open and hose pressurised 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. 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. 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 10-20 cm (4" - 8") away at a 90-degree 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. Spray both surfaces to be bonded, one surface vertically and the other surface horizontally.



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



4. Bring the surfaces together with spray patterns crossing each other at 90° for best adhesion, ensuring adequate pressure is applied.



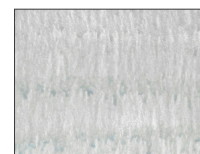
5. A roller is recommended to apply a uniform pressure to achieve maximum strength. Allow 24 hours for the adhesive to fully cure.

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