

TensorGrip®

H45

KOOLTHERM PANEL
ADHESIVE



METAL/ALUMINIUM
SHEETTING



INSULATION



WEB SPRAY



CO-REZ



TECHDATA

PRODUCT DESCRIPTION

TensorGrip® H45 was developed to create high performance bonds between KINGSPAN® KoolTherm Insulation Panels and metal ductwork, or any other substrate in which KoolTherm is to be used. The H45 has very high tack enabling users to bond KoolTherm successfully in the most demanding applications in which this type of insulation panel is used. Although the H45 has a very tacky nature, when the adhesive is cured the bond line is extremely resilient and tough ensuring lifelong performance. The H45 sprays in a consistent web spray pattern, which is highly controllable when using the professional spray gun along with the Lechler tip.

ADVANTAGES

- Fast Drying
- Good Heat Resistance
- Very High Solids
- Portable Systems
- Non-Chlorinated Adhesive
- Easy Application Control
- Low VOC

DIRECTIONS FOR USE

- This product is designed to be applied to both surfaces to be bonded together. Make sure that surfaces are clean, dry and free from dirt, dust, oil, loose paint, wax or grease, etc. For best results, the temperature of the adhesive and the surfaces being bonded should be between 16°C - 27°C.
 - Use with adequate ventilation. 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. Spray about 10-20 cm 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. Allow the adhesive to tack off until no adhesive transfers to the knuckle when touched.
- 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.
 - If the spray tip clogs, unscrew the spray tip from the gun and clean with solvent such as lacquer thinner or **TensorGrip® C101** citrus cleaner. Do not use a pin on the spray tip orifice.

Tensorgrip®

H45

KOOLTHERM PANEL
ADHESIVE

AVAILABLE IN



AEROSOL
500 ML

COVERAGE
7M²



CANISTER
22 LITRES

COVERAGE
230M²



JUMBO
220 LITRES

COVERAGE
2,300M²

COLOURS



CLEAR



GREEN

CHEMICAL TECHNICAL DATA

TYPICAL PROPERTIES

Viscosity	350 cps 25°C sp#2.
Total Solids	28 - 30%
System Flammability	Flammable adhesive in flammable propellant
90° Peel	> 25 p.l.i.
Shear adhesion failure temp.	Heat resistance (25mm/100gram_ 105°C)
Dry time	2-5 mins dependant on temp & humidity
Open time	30 Minutes
SHELF LIFE	18 months from date of manufacture

HANDLING & STORAGE

- Consult Material 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.
- Always store above 15°C
- When connected, keep valve open and hose pressurised at all times
- Always test our adhesives to determine suitability for your particular application prior to use in production

CANISTER STORAGE & CHANGE OVER

- Leave the valve on the canister open. Do not disconnect the hose/gun from the canister (unless changing to a new canister).
- To change or disconnect canister: turn canister valve to 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 new canister of adhesive. if you are NOT connecting to a new canister, connect hose to canister of cleaning solvent (sold separately) and spray out until liquid is clear which indicates that the hose and gun is clean.

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