

DEMSUN P90 THERMAL & ACOUSTIC SPRAY FOAM

P90 PU Foam for top quality heat and sound insulation at buildings and houses. Provides a unique, monolithic thermal insulation application without junctures, seams and gaps. An innovative alternative to traditional building insulation methods such as polystyrene heat insulation boards, glass wool and rock wool. Single-component product used with an applicator gun. It does not contain any propellant gases which are harmful to the ozone layer.

FEATURES & BENEFITS

- Excellent adhesion to all kind of building materials,
- Can be applied easily to uneven, hard to reach surfaces where it is not possible to use traditional insulation materials,
- Excellent thermal insulation value (0.025 W/(m.K),
- Elimination of thermal bridges,
- Elimination of the dew point,
- Yield up to 3m² with 1.5cm thickness for one layer if applied from a distance of ~40cm with normal application speed,
- No need to use mechanical fastening elements after use,
- Over paintable,

APPLICATIONS

- Roofs, attics, facades, foundations, basements, floors, interior walls, inter-floor overlappings, interior partitions, ceilings and cellars,
- Structural elements of buildings, balcony, loggia, doors, window slopes, pipes, canals and tank kind round surfaces, uneven and rough all surfaces,
- Car body and car trailers, boats, yachts, vessels and all kind of sea vehicles.

INSTRUCTIONS

- Each can have two special plastic nozzles for spraying to the wall and ceiling. Nozzle A is for vertical surface applications and Nozzle B is for ceiling applications.
- Optimal can temperature is +20 °C.
- Application temperature is in between +5 °C and +30 °C.
- Shake the can well before use.

TECHNICAL DATA SHEET (TDS)

- Screw the can onto an applicator gun. Put the spray nozzle on the barrel until it clicks.
- Always keep the can upside down during application.
- The output of the foam can be regulated with the trigger and controlled with the adjustment screw on the back side of the gun.
- Spray the foam 30-45 cm distance from the wall for vertical applications. Spray the foam 15-20 cm distance from the ceiling for horizontal applications.
- The product can be applied at any desired thickness as long as it is applied layer by layer. The thicker, the higher insulation value.
- For an effective insulation value, the recommended application thickness is 5cm and should be reached to this thickness with minimum 3 layers. It is not possible to get the ideal insulation value with 1 or 2 layers.
- The nozzles and the applicator gun should be cleaned immediately after job finishes.

RESTRICTIONS

- Storage above +25 °C and below +5 °C shortens shelf life,
- The can should be stored and transported in vertical position,
- The can should be kept in room temperature for at least 12 hours before the application,
- Cured foam will discolor if exposed to ultraviolet light,
- Paint or coat the cured foam for best results in outdoor applications,
- Lower temperatures decreases yield and curing time.

SAFETY

- Contains Diphenylmethane-4, 4'-Diisocyanate,
- Harmful by inhalation, irritating to eyes, respiratory system and skin,
- Do not breathe spray/vapor,
- Wear suitable protective clothing and gloves,
- Use only in well-ventilated areas,
- Pressurized container. Keep away from direct sunlight and do not expose temperatures over 50 °C,
- Do not pierce or burn, even after use,
- Keep away from sources of ignition, no smoking,
- Keep out of the reach of children.

STORAGE AND SHELF LIFE

- 12 months if stored properly.

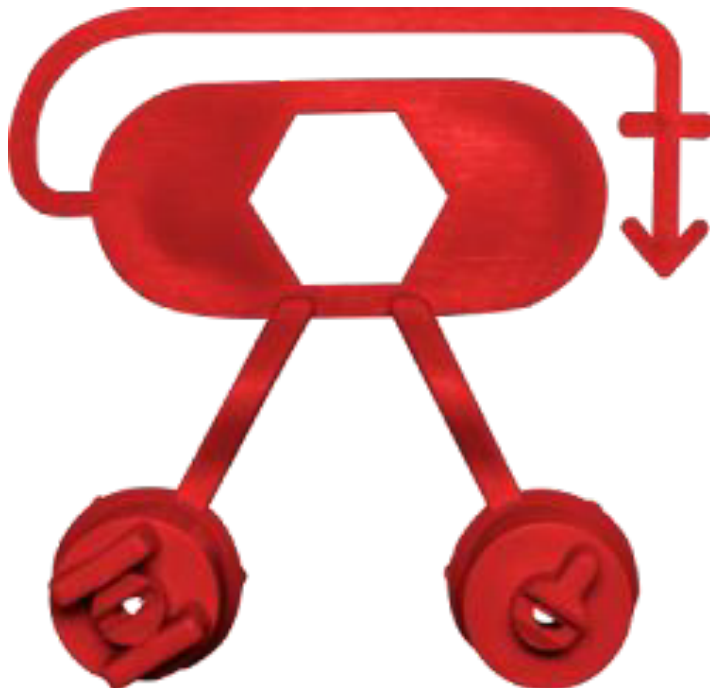
TECHNICAL DATA SHEET (TDS)**PACKAGING**

Product	Weight	Package
DEMSUN P90	850ml/Gw.930gr	12

TECHNICAL PROPERTIES

Basis	: Polyurethane Prepolymer	
Curing System	: Moisture cure	
Specific Gravity	: 17-28 kg/m ³	(ASTM D1622)
Tack-Free Time	: 4 min	(ASTM C1620)
Foam Color	: Blue	
Yield	: 3 m ² for 1,5 cm thickness	
Fire Class of the Cured Foam	: B3	(DIN 4102-1)
Thermal Conductivity	: 0,025 W/m.K (at 20°C)	(DIN 52612)
R Value	: 5,66 (per inch)	
Compression Strength	: 0,03 MPa	(DIN 53421)
Full Cure	: 24 hours	
Can Temperature	: min.5°C max. +30°C	
Temperature Resistance	: -75°C to +115°C	
Application Temperature	: +5°C to +30°C	

The results were obtained by providing optimum environmental conditions.



Picture 1: **Nozzle A** on the left and **Nozzle B** on the right.

DISCLAIMER

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.