



Spray 77™

Multi-Purpose Low Mist Adhesive

Product Data Sheet

Updated : February 2011
Supersedes : December 2007

Product Description

Spray 77 Low Mist Adhesive is a multi-purpose aerosol adhesive. It is fast tacking and has a long tack range when applied to both surfaces.

Spray 77 Low Mist Adhesive is a light coloured, non staining adhesive.

The Low Mist spray pattern improves adhesive coverage compared to conventional aerosols.

Physical Properties

Not for specification purposes

Solvent	Petroleum Distillate / Cyclohexane	
Flash Point	-46°C	
Propellant	Hydrocarbon	
Contents	349g (500ml)	
Solids Content	25% approximately	
Spray Pattern	Particle	
Colour	Clear/Pale Cream	
Shelf Life	12 months from date of receipt by customer when stored in the original carton at 21°C (70°F) & 50 % Relative Humidity	

Performance

Characteristics

Not for specification purposes

Service Temperature Range	-30°C to 60°C	
Water Resistance	Very Good	
Weathering Resistance	Fair	
Fuel and Oil Resistance	Poor	
UV Light Resistance	Fair	

Additional Product Information

Coverage:
Approximately 12m² (140 square feet) per container, depending on porosity of substrate.

Conformity to British Standards and Other Specifications:
Defence Standard 80-117

Storage Conditions

Store at 16°C to 27°C for maximum storage life in a cool dry place. Storage temperature must not exceed 49°C.

Directions for Use

Ensure all surfaces to be bonded are clean, dry and free from dust, oil and grease before application of adhesive.

Ensure that the nozzle points away from all persons and towards the surface to be sprayed. Turn the spray tip to select the desired spray width.

Shake the can well before using, 5-10 seconds should be sufficient.

For Strong Permanent Bonds: Spray both surfaces to be bonded and allow a minimum of 30 seconds drying time before assembly.

For Temporary Bonds with Easy Removal: To bond substrates for short periods and to permit easy removal, apply a light coat to one surface and allow to dry for about 1 minute. Most surfaces can then be removed when desired without adhesive transfer.

NOTE: When bonding expanded polystyrene foam, leave surface open for about 10 minutes to allow most of the solvent to escape before making a bond.

To prevent spray nozzle from blocking, at the end of each day, turn the can upside down and press tip until spray is clear from adhesive.

Clean Up:

Spray nozzle or excess material may be cleaned with Scotch-Grip Solvent No. 1.

NOTE: Solvent No. 1 is highly flammable. When using solvents for clean up it is essential that proper safety precautions are observed.

Applications

Spray 77 Low Mist Adhesive is extensively used for bonding lightweight boards, foams, plastics, fabric, paper and insulating materials.

For bonding fabric backcloths in studios and window dressing, and bonding polystyrene foam in fabricating packaging units.

The adhesive is also widely used in the heating and ventilating industry.

Precautionary Information

Refer to product label and Material Safety Data Sheet for health and safety information before using the product.
For information please contact your local 3M Office.
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Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications.

This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.



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