



Technical Data Sheet

3M™ Hi-Strength 90 Spray Adhesive (Aerosol)



Product Details



Regulatory Info/SDS

Product Description

An industrial grade spray adhesive that is typically used for bonding HPL to wood.

Product Features

- A high strength, fast, contact-type adhesive
- Excellent adhesive for decorative laminates, particleboard, and many other materials, even polyethylene, polypropylene, and SBR rubber

Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Uncured Physical Properties

Attribute Name	Value
Density	0.72 kg/L (6 lb/gal)

Typical Physical Properties

Attribute Name	Value
Color	Translucent
Solids Content by Weight	13 %
Base	Synthetic Elastomer
Dry Time	1 min ¹
Spray Pattern	Variable Lace
Flammable Solvent	Yes
Flammable Propellant	Yes
Coverage	2.2 m ² (24 ft ²) ²
Bonding Range	1-10 min
VOC	<55 %
Hazardous Air Pollutants (HAPS)	< 0.1 % by weight

¹ Dry time will depend on ambient temperature, humidity and coverage applied.

² @ 27 g/m² (2.5 g/ft²)

Typical Performance Characteristics

Attribute Name	Value
Shear Adhesion Failure Test - SAFT	100 °C (210 °F) ¹

¹ SAFT Shear Adhesion Failure Test with birch plywood, 25 mm (1 in) overlap, 100 g used, temperature start at 32 °C (90 °F) and ramped 5.5 °C (10 °F) every 10 min. until complete failure.

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original, unopened packaging, out of direct sunlight. Lower temperatures cause increased viscosity of a temporary nature. For best performance, use this product within 18 months from date of manufacture.

Precautionary Information

Refer to Product Label and Material Safety Data Sheet for health and safety information before using this product. For additional health and safety information, call 1-800-364-3577

Automotive Disclaimer

Select Automotive Applications:

This product is an industrial product and has not been designed or tested for use in certain automotive applications, such as automotive electric powertrain battery or high voltage applications, which may require the product to be manufactured in a IATF certified facility, meet a Ppk of 1.33 for all properties, undergo an automotive production part approval process (PPAP), or fully adhere to automotive design or quality system requirements (e.g., IATF 16949 or VDA 6.3). Customer assumes all responsibility and risk if customer chooses to use this product in these applications.

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