

January 2021

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

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



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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 Physical Properties

| Property | Values | Notes |
|------------------------------------|------------------------|--|
| Colour | Translucent | |
| Solids Content by Weight | 23% | |
| VOC | <55 % | |
| Coverage | 2.1925 m² (23.6 sq ft) | @ 2.5 dry gms / ft² per lb (sq ft) |
| Hazardous Air Pollutants (HAPS) | <0 .1 % by weight | |
| CARB Compliant | No | |
| GREENGUARD Air Quality Certified® | No | |
| Spray Pattern | Variable Lace | |
| Dry Time | 1 min | Dry time will depend on ambient temperature, humidity and coverage applied. |
| Shear Adhesion Failure Test – SAFT | 98.9 °C (210 °F) | SAFT Shear Adhesion Failure Test with birch plywood, 1 inch overlap, 100 grams used, temperature start at 32.2 °C (90°F) and ramped -12.2 °C (10°F) every 10 min. until complete failure. |
| Flammable Solvent | Translucent | |
| Flammable Propellant | Yes | |
| Base | Synthetic Elastomer | |
| Bonding Range | 1 to 10 min | |

Typical Uncured Physical Properties

Density: 718.9 g/L (6 lb / gal)

Storage and Shelf Life

Store product at 16-27 °C (60-80 °F) for maximum storage life. Higher temperatures reduce normal storage life. Lower temperatures may cause increased viscosity of a temporary nature. Rotate stock on a “first in-first out” basis.
When stored at the recommended conditions in original, unopened container, this product has a shelf life of 18 months from date of manufacture.

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Trademarks

3M is a trademark of 3M Company.
The GREENGUARD INDOOR AIR QUALITY CERTIFIED Mark is a registered certification mark owned by Air Quality Sciences, Inc. and used under license through the Greenguard Environmental Institute.

References

| Property | Values |
|-------------------------|---|
| 3M.ca product page | https://www.3mcanada.ca/3M/en_CA/company-ca/all-3m-products/~ / 3M-Hi-Strength-Spray-Adhesive-90/?N=5002385+8709320+8709332+8710676+8710815+8713605+8724829+3293242219&preselect=3293786499+3294529206&rt=rud |
| Safety Data Sheet (SDS) | https://multimedia.3m.com/mws/mediawebserver?mwsId=SSSSSuUn_zu8lZNU482ZPxm9Pv70k17zHvu9lxtD7SSSSS-- |

Family Group

| | 90 Aerosol | 90 Cylinder | 90 Bulk |
|------------------------------|---------------|-------------|--------------------|
| Colour | Translucent | Translucent | 3M.ca Product Page |
| Solids Content by Weight (%) | 23 | 13 | 23 |
| Spray Pattern | Variable Lace | Lace | Lace |

Precautionary Information

Refer to product label and Safety Data Sheet (SDS) for health and safety information before using this product. For additional health and safety information, call 1-800-364-3577 or (651) 737-6501.

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Information

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