

ECO-MASTIC® M2A900

WATER BASED WOOD FLOORING ADHESIVE

STAUF®

WOOD FLOORING ADHESIVES USA

PRODUCT DESCRIPTION

STAUF M2A-900 Eco-Mastic is an improved water based, high-strength adhesive for professional wood flooring installation. Its new formulation grabs more quickly and slips less than competitors. Its unique "bound" water formula reduces expansion and cupping at installation. It does not contain any solvents or other hazardous materials. It is ozone and environmentally safe, and is certified as having "very low emissions." This adhesive has earned the highest GEV-EMICODE EC 1 ranking by the European Association for control of Emissions for Flooring. See www.emicode.com for information.

The lower water content will cause less dimensional changes in wood flooring than competitor's water-based adhesives. The adhesive spreads easily and has a non-slump formula that will help insure contact and adhesive transfer because the ridges will bridge normal gaps between the flooring and sub floor. It allows fast installation even with complicated patterns due to its strong green grab. There is no flash time required, so installation can commence immediately. Rolling is neither required nor recommended. It offers superior flexibility and is designed to keep the flooring in place, yet allow for normal movement during seasonal changes to the flooring.

PRODUCT FEATURES

General Features:

- Twice the shear strength of competitors
- Contains no isocyanates to etch floor's finish
- "Bound" water reduces expansion, cupping
- Contains no solvents
- Contains no VOC
- Certified "green"
- Certified "very low emission"
- Nonflammable
- Ozone friendly
- Not freeze/thaw stable

Installation Features:

- Grabs quicker, less slippage
- Wet lay - no flash time required
- Superior green grab
- Non-slump formula
- Bridges normal sub floor variations
- Very low odor
- Cleans with warm water and soap
- No rolling required
- High spread rate
- Spreads easily
- No risk of sensitization

Long Term Features:

- Resistant against aging
- Suitable for radiant heat systems with primer
- Allows normal dimensional changes in wood flooring
- No health hazards
- Eliminates hollow spots

PRODUCT USAGE

Approved Flooring:

- Engineered Flooring, 3/8" - 3/4", up to 7" wide
- Strip Flooring, Solid, 1/2", up to 3" wide
- Strip Flooring, Solid, 3/4", up to 3" wide
- Solid Shorts 1/2" - 3/4", any width
- Solid Planks 1/2" - 3/4", up to 3" wide
- Solid Wood Flooring must be straight and flat

Suitable Primers:

- STAUF AQP-200 Eco-Prime

Approved Sub Floors:

- Concrete slabs
- OSB (underlayment grade)
- Plywood (underlayment grade)
- Particle or Chipboard (underlayment grade)
- Cured Leveling Compounds
- Radiant heated sub floors

Suitable Sealers:

- STAUF ACS-210 True-Seal

Approved Trowels:

- Trowel #5 (Engineered Floors): up to 60 SF/gal
- Trowel #4 (Solid Floors): up to 50 SF/gal
- Trowel #3 (Parquet Floors): up to 70 SF/gal
- Trowel #15 (Underlayments): up to 100 SF/gal

Packaging Size:

- 3 Gallon plastic pail
- 3/4 Gallon plastic pail

Shelf Life:

- 12 months in original container



OPEN TIME

	+50 °F	+70 °F	+90 °F
30% Humidity	30 mins.	30 mins.	20 mins.
50% Humidity	1 hour	1 hour	40 mins.
80% Humidity	1 1/2 hours	1 1/2 hours	1 hour



**GRABS QUICKER,
LESS SLIPPAGE**

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INSTALLATION PROCEDURE

Pre-Installation Checklist:

A successful installation requires proper preparation of the sub floor. Read and understand all applicable guidelines and technical data sheets before beginning installation. Follow industry standards and flooring manufacturer's recommendations for sub floor moisture content, design, layout and application of flooring materials. All slab constructions must meet the specific requirements of the floor covering to be installed.

Sub Floor Examination:

Prior to proceeding, the sub floor must be checked according to NWFA installation guidelines. It must be solid and sound, flat, permanently dry, clean, free of chaps, indentations and antiadherents as well as resistant to pressure and tension.

Moisture content of concrete sub floors must be measured before installation. Moisture content must be below 3#/24hrs/1,000 sq. ft. using the Calcium Chloride Test.

Sub Floor Preparation:

Depending on type and condition of subfloor, a mechanical treatment (e.g. mechanical brushing, grinding, or sanding) may be required. Intensity of such work needs to be determined at site. Dust, paint, residual adhesives or other surface pollution must be removed by suitable means. We recommend cleaning the surface with an industrial vacuum cleaner. With the exception of expansion joints, all cracks and gaps must be filled with concrete crack filler CCF-30. Level when necessary to 3/16" within 10'. Heated sub floors must be primed. Please refer to our technical information on sub floor preparation.

Installation:

Wood flooring must have 7-9% MC and no more than 5% variance in MC with any wood sub floor. Spread the adhesive with the appropriate notched trowel. Avoid excessive adhesive thickness by passing the trowel through the adhesive at a 45° angle. Lay the wood floor into the adhesive, correctly position it and press down firmly.

USAGE & ACCIDENT INFORMATION

Please refer to our technical data sheet and MSDS for information. See website at www.staufusa.com.

LIMITATIONS

When using other than Stauf products in combination with Stauf adhesives, we deny any and all responsibility for any ensuing problems and/or damages without prior written permission from Stauf.

- Do not install solid wood floors below grade.
- Do not use on concrete with curing agents or sealers except Stauf ACS-210.
- Do not use on damp sub floors.
- Do not install wood flooring with moisture reading above 9%.
- Do not use as leveling material. This adhesive will not prevent moisture-related damages to wood flooring.

ADHESIVE PROPERTIES

Cure Time until Normal Traffic

- between 48 and 72 hours

Clean-up

- Use water and soap
- Will not etch floor finish

Temperature Range During Installation

- 50° - 90°F

Relative Humidity Range During Installation

- 30% - 80%

Weight (lbs./gal.)

- 11.3#

Color

- Beige

Shear Strength

- 725 psi (5 N/mm²)

STORAGE & TRANSPORT

Place lid on pail tightly. Store pail in cool dry place. Store and transport protected from freezing