

# Armada AM-2580

## PREMIUM MOISTURE CURE URETHANE WOOD ADHESIVE

### ENVIRONMENTAL/PERFORMANCE:

1. Excellent Elongation – Remains Flexible
2. The easiest to use, fastest grabbing, fastest curing, and safest urethane wood flooring adhesive ever introduced to the wood flooring market.
3. Trowels and works much easier for the installer than any other urethane adhesive.
4. Approved for gluing down ¾" solid wood flooring
5. High bond strength and maintains flexibility and elongates to prevent breaking the bond to the sub-floor.
6. Initial Green Strength, makes the job faster; therefore, more economical
7. Mild odor – VOC compliant

### DESCRIPTION:

AM-2580 Moisture Cure Urethane Wood Adhesive has been reformulated for high performance. It is formulated to meet all the installer's needs. It trowels as easily as a water-based adhesive. It bonds extremely well to all sub-floor types, including radiant heated sub-floors. It grabs fast, with excellent green strength, to prevent boards from slipping in the wet adhesive. It has extremely strong shear and tensile strength, but remains elastic and elongates to prevent breaking the bond to the sub-floor. This is a very important feature in today's wood flooring market, as there are an endless number of exotic species that are very popular. The strong shear and tensile strength combined with the elongation make it the perfect adhesive to accommodate the exotic woods that expand and contract substantially with changes in humidity.

The trowel ridges hold their form and will not slump or run, which is proven to reduce or eliminate hollow spots, thereby reducing repair time and expense. AM-2580 Moisture Cure Urethane Wood Adhesive is warranted and suitable for installing all types and brands of hardwood flooring designated as "glue-down" by the wood manufacturer. AM-2580 matches or exceeds all wood manufacture's adhesive warranties. Rolling is not required or necessary. AM-2580 is safe and has a very mild odor. Therefore, it is completely safe for the installer and occupants of the building and it is VOC compliant.

### PRODUCT AND WARRANTY LIMITATIONS:

1. Random hollow areas in wood floors are not an indication of adhesive failure, but are a result of a rigid wood flooring bridging over low areas in the sub-floor. Hollow spots can only be controlled by appropriate leveling and preparation prior to installing the wood flooring.
2. Buckled wood floors are not an indication of an adhesive failure, but are without exception a direct result of excess moisture entering the wood and causing the wood to expand to the point that it buckles off the sub-floor, and must be corrected.

### TROWEL REQUIREMENTS:

The following trowel requirements must be followed exactly in order for this adhesive warranty to be in force. These trowel requirements must supercede the trowel requirements found in the wood manufacture's installation instructions, in order for the AM-2580 adhesive warranty to be in force.

**INSTALLING THE FLOOR:**

1. Always follow the wood manufacturers recommendations for sub-floor moisture, sub-floor levelness, expansion space and acclimation requirements.
2. VERY IMPORTANT: Select the correct trowel for the wood you are installing from the trowel chart. Using the incorrect trowel will void this adhesive warranty.
3. This is a wet-lay adhesive. Do not spread more adhesive than can be covered within 30 - 45 minutes. The higher the humidity the less the open time.
4. Moisture cures this adhesive. It is the installer's responsibility to gauge the rate of cure as it can vary greatly, depending on available humidity.
5. Good transfer of the adhesive to the wood is critical. Periodically, pull back a board that has just been installed, and make sure there is 100% adhesive transfer to the board.

**CLEAN-UP:**

Remove the adhesive from the wood floor surface as soon as possible before the adhesive dries. Use a soft white cloth and Mineral Spirits carefully to not harm the finish. Clean equipment and tools with Mineral Spirits while the adhesive is still wet.

**CAUTION:** Mineral Spirits is flammable. Read and follow all precautions on container label.

**FOR MORE INFORMATION READ MATERIAL SAFETY DATA SHEET****KEEP OUT OF REACH OF CHILDREN****WARRANTY:**

Bolick Distributors warrants the performance of AM-2580 for gluing down all types of wood flooring that are designated by the wood manufacture for direct glue-down installation, and warrants that it will bond the wood flooring to the sub-floor for the life of the wood flooring to the original purchaser. This warranty is not assignable or transferable.

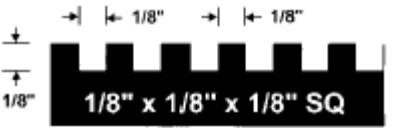
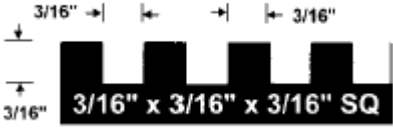

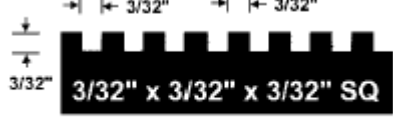
Bolick Distributors warrants that this adhesive will match or exceed all wood manufacturers private label adhesive BOND warranties. In order for this warranty to be in force, the installation must be in full compliance with the wood manufacturers directions and requirements as it pertains to acceptable sub-floor types, acclimation requirements, sub-floor moisture requirements, sub-floor levelness, expansion space requirements and layout or direction of the wood floor. The trowel sizes and notches must be consistent with instructions found on this label in order for this warranty to be in force.

This warranty in its entirety is a bond warranty and warrants that this adhesive will not be defective and will meet certain specifications. This warranty does not imply or suggest that this adhesive will in any way protect wood flooring from any negative affects of excess moisture exposure, regardless of the source of moisture, whether it be from the sub-floor, atmosphere, flooding, plumbing breakage, etc.

This warranty specifically excludes: Random hollow areas in the floor and buckling of the wood floor, as these are sub-floor preparation and moisture related issues, respectively. AM-2580 and the adhesive manufacturer reserve the right for adequate and reasonable time to inspect, test and reply in writing to any claim, before repair or replacement work begins. If this opportunity and adequate time is not afforded both Bolick Distributors and the adhesive manufacturer, this warranty is null and void, and no provisions in this warranty will be honored, including any cost associated with the claim.

In the event of a valid warranty claim, Bolick Distributors will pay for one-time repair or replacement of the portion of the floor that is defective due to failure of AM-2580 adhesive; this includes all reasonable materials and labor. The Bolick Distributors specifically excludes and is not liable for any other damage or loss, including consequential or incidental loss or damage.

**TROWEL & COVERAGE INFORMATION**

<p>For 5/16" Solids and Engineered Plank less than 3/8"          use 1/8" x 1/8" x 1/8" square notch          Spread rate: 55-65 sq ft/gal</p>	 <p align="center">1/8" x 1/8" x 1/8" SQ</p>
<p>For Engineered Plank 3/8" to 9/16" thick and less than 5" wide and 1/2" solids use          3/16" x 3/16" x 3/16" square notch          Spread rate: 35-40 sq ft/gal</p>	 <p align="center">3/16" x 3/16" x 3/16" SQ</p>
<p>For Engineered Plank 5" or wider and 3/4" Solids          use 1/4" x 1/4" x 1/4" square notch          Spread rate: 25-30 sq ft/gal</p>	 <p align="center">1/4" x 1/4" x 1/4" SQ</p>
<p>For Parquet Wood Tile use          3/32" x 3/32" x 3/32" square notch          Spread Rate: 70-80 sq ft/gal  <b>DO NOT USE WITH PARQUET FOAM-TILE</b></p>	 <p align="center">3/32" x 3/32" x 3/32" SQ</p>

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Bolick Distributors, 2055 N. Airway Drive

Baton rouge, LA 70815

Emergency number: 225.927.8016 ext 222

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## SECTION 1. PRODUCT IDENTIFICATION

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PRODUCT NAME: AM-2850 High Performance Moisture Cured Urethane Wood Adhesive

CHEMICAL FAMILY: Aromatic isocyanate prepolymer adhesive composition

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## SECTION 2. HAZARDOUS INGREDIENTS AND EXPOSURE LIMITS

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<u>Chemical Name</u>	<u>CAS Number</u>	<u>% by Weight</u>	<u>Exposure Limits</u>
Polymeric Diphenylmethane Diisocyanate	9016-87-9	3 - 7	0.05 mg/m <sup>3</sup> (ACGIH TLV)
C <sub>10</sub> -C <sub>13</sub> Isoalkanes	68551-17-7	5 - 10	None Established

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## SECTION 3. HAZARDS IDENTIFICATION

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PRIMARY ROUTES OF ENTRY: Eyes, Skin, Inhalation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Respiratory problems (asthma).

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: May cause slight to moderate irritation.

SKIN CONTACT: May cause slight to severe irritation depending upon length and frequency of exposure. Can cause sensitization.

INGESTION: Will cause adverse health effects.

INHALATION: May cause irritation to respiratory tract including nausea and/or headache. Can cause sensitization resulting in chemical asthma symptoms.

CHRONIC: Prolonged exposure to isocyanate vapors can result in lung damage.

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## SECTION 4. FIRST AID MEASURES

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EYE CONTACT: Flush with water for 15 minutes. Call physician if irritation occurs.

SKIN CONTACT: Wash with soap and water.

INHALATION: Move person to fresh air. Administer oxygen if necessary. Seek medical attention if symptoms persist.

INGESTION: Do not induce vomiting. Get immediate medical attention.

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## SECTION 5. FIRE-FIGHTING MEASURES

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FLASH POINT (°)F: > 142 (61° C)

FIRE-FIGHTING INSTRUCTIONS: Use CO<sub>2</sub>, dry chemical, chemical foam for fighting fire. Wear protective clothing and self-contained breathing apparatus. Material releases CO<sub>2</sub> when contaminated with moisture, and can pressurize containers and explode.

DECOMPOSITION PRODUCTS: Dried material may produce CO, CO<sub>2</sub>, H<sub>2</sub>O, N<sub>x</sub>O, and other products from the burning of hydrocarbons.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

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STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Shovel or scoop material into secure container for disposal. Contaminated material that has come into contact with or absorbed moisture will evolve CO<sub>2</sub> gas and should not be stored under air tight seal for 24 hours. Dispense sand, sawdust, or vermiculite and absorb spill residue. Collect and place in waste container. Wash area thoroughly with solution of 8 % ammonia, 2 % detergent, and 90 % water.

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## SECTION 7. HANDLING AND STORAGE

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HANDLING: Use good hygienic practices. (Wash hands before eating, using washroom, or smoking.) Keep out of the reach of children. Do not breathe vapors.

STORAGE: Material must be stored under air tight conditions to prevent exposure to moisture. Do not open containers until ready for use. If containers show signs of pressurization, trained personnel should clear area, cover container with tarp, and puncture lid with a long handled spike to relieve pressure. Store above 40° F in a cool, dry location away from moisture sources.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: Wear safety glasses with side shields or splash goggles where contact with material is likely.

SKIN PROTECTION: Wear chemical resistant rubber gloves where contact with material is likely.

RESPIRATORY PROTECTION: Where TLV can be exceeded wear NOISH approved organic vapor respirator or use positive pressure supplied breathing air source.

ENGINEERING CONTROLS: Normal exhaust ventilation where TLV can be maintained. Site specific exhaust where processing conditions or exposure to fumes and vapors exceed the permissible TLV.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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BOILING POINT (°F): No information.

SPECIFIC GRAVITY (WATER = 1): 1.26

VAPOR PRESSURE: No information

VAPOR DENSITY (air=1): No information. Expected to be heavier than air.

% VOLATILE BY WEIGHT: No information.

pH: Not applicable.

APPEARANCE AND ODOR: Thick light brown colored liquid with mild sweet odor.

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## SECTION 10. STABILITY AND REACTIVITY

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CHEMICAL STABILITY: Stable.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Moisture, excessive heat. Do not mix with water, strong bases, or alcohols.

HAZARDOUS DECOMPOSITION PRODUCTS: See Section 5.

# MATERIAL SAFETY DATA SHEET

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## SECTION 11. TOXICOLOGICAL INFORMATION

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Polymeric Diphenylmethane Diisocyanate: Acute Dose Toxicity: Oral LD<sub>50</sub> > 5000 mg/kg (rat)  
Inhalation LC<sub>50</sub> = 490 mg/m<sup>3</sup>/4 hr (rat) Dermal LD<sub>50</sub> > 5000 mg/kg (rabbit)  
C<sub>10</sub> – C<sub>13</sub> Isoalkanes: Acute Dose Toxicity: Oral LD<sub>50</sub> - 34600 mg/kg (rat)  
Inhalation LC<sub>50</sub> > 1277 ppm/6 hr (rat) Dermal LD<sub>50</sub> - 15400 mg/kg (rabbit)

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## SECTION 12. ECOLOGICAL INFORMATION

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Not readily biodegradable.

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## SECTION 13. DISPOSAL CONSIDERATIONS

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Uncured product is hazardous waste. Incinerate in accordance with federal, state, and local environmental controls/regulations. Cured product is non-hazardous waste and should be disposed of in accordance with same federal, state and local regulations.

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## SECTION 14. TRANSPORT INFORMATION

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For domestic transportation purposes, this product is not designated as a hazardous material by the U.S. Department Of Transportation.

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## SECTION 15. REGULATORY INFORMATION

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TSCA: All components of this product are listed on the TSCA inventory.

SARA TITLE III:

Section 311 and 312 Health and Physical Hazards:

Immediate	Delayed	Fire	Pressure	Reactivity
[ X ]	[ X ]	[ ]	[ ]	[ ]

Section 313 Reportable Chemicals: No components at or above EPA reporting thresholds.

VOLATILE ORGANIC CHEMICALS: No information.

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## SECTION 16. OTHER INFORMATION

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HMIS RATINGS: Health = 1\* Flammability = 1 Reactivity = 0  
Personal Protective Equipment = C \* Denotes chronic exposure hazard  
Hazard rating scale: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe

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Bolick believes the statements, technical information and recommendations contained herein are reliable. They are given without warranty or guarantee of any kind, expressed or implied.

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