

# NATURALLY AGED FLOORING™

## 3-IN-1 Wood Flooring Adhesive

### 1. PRODUCT NAME

Naturally Aged Flooring™ 3-IN-1 Polyurethane Adhesive.

### 2. MANUFACTURER INFORMATION

Naturally Aged Flooring™

5155 Goldman Ave, Moorpark, CA 93021  
(866) 522-4500



### 3. DESCRIPTION

Naturally Aged Flooring™ 3-IN-1 is an all-in-one, moisture-cured urethane adhesive, formulated for full-surface bonding of engineered, solid wood and bamboo flooring. This formula offers permanent elastomeric performance, moisture vapor protection, crack suppression and sound-reduction properties. Naturally Aged Flooring™ 3-IN-1 is low odor and has < 53 g/L VOC. Once cured, this superior adhesive is virtually unaffected by moisture.

#### Sounds Ratings

- STC 62 (ASTM E-90)
- Reduction of sound impact: IIC 21 (ASTM 2179)

#### Features and Benefits

- No moisture testing required, only a dry to the touch substrate is needed
- Creates sound-reduction layer
- Bridges non-structural cracks in concrete up to 1/8"
- Unlimited subfloor moisture vapor protection
- Highly elastometric to move with the expansion and contraction of wood
- Low odor with excellent green grab capability
- Fast curing and easy trowel formula
- Suitable for in-floor radiant heat systems
- Environ-Friendly—solvent-free and LEED® compliant; VOC< 53 g/L, SCAQMD Rule 1168.

#### Meets Environmental Standards

LEED® EQc 4.1 (100 g/L limit)	SCAQMD, Rule 1168 (100 g/L limit)	BAAQND, Reg 8, Rule 51 (120 g/L limit)
PASSES	PASSES	PASSES

#### Uses

For solid and engineered wood flooring (i.e., strips, long-strips, planks, panels, boards) and mosaic / industrial parquet flooring. This formula is also effective for installing rubber mats and rubber acoustic underlayment systems. Naturally Aged Flooring™ 3-IN-1 is recommended for use in light commercial and residential applications. For Naturally Aged Flooring™ 3-IN-1 to be used as a moisture membrane, the appropriate trowel size and installation method must be followed.

#### Coverage and Trowel Options\*

##### For adhesive use

1/4" x 1/4" x 1/4"  
Engineered Wood - Max Thickness 3/4"  
Solid Wood - Max Thickness 3/4", Max Width 8"  
Coverage: 120-160 ft² per 4 gallons

##### For moisture and sound control

1/4" x 3/16"  
Engineered Wood - Max Thickness 3/4"  
Solid Wood - Max Thickness 3/4", Max Width 8"  
Coverage: 120-140 ft² per 4 gallons

1/4" x 1/4"  
Engineered Wood - Max Thickness 3/4"  
Solid Wood - Max Thickness 3/4", Max Width 8"  
Coverage: 120-140 ft² per 4 gallons

##### For underlayment installation

1/8" x 1/8" x 1/8"  
Cork or Rubber Underlayment  
Coverage: 280-320 ft² per 4 gallons

*\*The trowel notches referenced are those typically recommended for the type of flooring being installed and are shown as a guide. Consult flooring manufacturer for their specific trowel recommendations.*



## Substrates

Structurally sound, properly prepared concrete, chipboard, APA or PS1-95 rated plywood, underlayment-grade oriented strand board (lightly sanded), radiant-heated slabs. Existing flooring includes: properly prepared ceramic tiles.

## Limitations

- Do not install solid wood or bamboo below grade.
- Do not install where hydrostatic pressure is present.
- Do not install solid wood flooring over VCT / vinyl.
- Do not install where moisture barrier hasn't been installed under the slab.
- This adhesive does not reduce or affect issues originating from the sides, ends, or top of flooring installations (i.e., puddles, water, leaks or hydrostatic-head, etc.).
- Refer to **Naturally Aged Flooring™ 3-IN-1** Safety Data Sheet, [www.naturallyagedflooring.com](http://www.naturallyagedflooring.com), industry standards and manufacturer's guidelines and specific recommendations (prior to installation) for additional details.

## 4. TECHNICAL DATA

<b>Product Type:</b>	One-Component, Moisture-Cured Polyurethane
<b>Color:</b>	Light Brown
<b>Odor:</b>	Mild
<b>Open Time:</b>	Up to 60 Minutes
<b>Working Time:</b>	Up to 60 Minutes
<b>VOC:</b>	53 g/L.
<b>Shelf Life:</b>	1 year in unopened container.
<b>Storage:</b>	Store in an unopened container, in dry conditions and protected from direct sunlight at temperatures between 50°F and 77°F (10°C and 25°C). Does not require thinning.

## 5. INSTRUCTIONS

### Preparation

*For use as an adhesive and moisture membrane:* Concrete must be visibly dry. Inspect for any wetness at base of drywall, or visible or previous signs of moisture on concrete. Concrete and cement-based underlayments must be fully cured and free of any hydrostatic and/or moisture problems. When properly applied in accordance with **Naturally Aged Flooring™ 3-IN-1** guidelines, this adhesive provides superior moisture vapor protection.

*For use as an adhesive only:* For protection of the wood flooring, follow the wood floor manufacturer's requirements for concrete moisture testing and tolerance. If substrate is not acceptable, use **Naturally Aged Flooring™ 3-IN-1** trowel size (at recommended coverage rate) to achieve moisture protection. See trowel chart and product data sheet for proper instruction.

Subfloors must be structurally sound, dry, smooth, flat ( $\leq 3/16"$  within 10'), level and free of excess moisture / alkali and all substances (oil, debris, cleaners, paint, oil-based sealers, adhesive residue, etc.) that may inhibit the bond of the adhesive or the performance of the flooring or its installation. All substrate cracks, chips, holes, joints, high spots and irregularities must be adequately repaired. Expansion or other moving joints must not be filled or covered with flooring. Patching compounds, cement-based and polymer-modified, must be suitable for the use application and applied according to the manufacturer's instructions.

### Installation

Maintain a consistent temperature and ambient relative humidity before, during and after installation (between 65-85° F and 30%-50% ambient RH). Follow all industry standards and flooring manufacturer's recommendations for floor flatness, acclimation and application of wood flooring material. Apply **Naturally Aged Flooring™ 3-IN-1** to a properly prepared substrate; poured directly from the pail. Uniformly distribute the adhesive with the appropriate sized trowel. Keep the trowel at a 90° angle (to the subfloor) to

maximize adhesive ridges and obtain stated coverage. Once flooring board is applied, press firmly. Periodically check transfer of adhesive during installation: 100% substrate coverage and adhesive transfer to the back of the flooring is required to protect against damages from subfloor moisture and to maintain a void-free bond. Roll the installation with a weighted roller per the flooring manufacturer's guidelines.

### Working time

Up to 60 minutes. If adhesive skins over, remove and re-apply.

### Curing

24 hrs. at 73°F (23°C) and 50% RH. Floor covering installation may accept light foot traffic after 6-8 hrs. (depending on climatic conditions and adhesive layer thickness). High temperature and high humidity will cause the adhesive to cure faster. After installation, restrict heavy foot traffic and moving of heavy objects for 24 hours to allow adhesive to cure properly. **Naturally Aged Flooring™ 3-IN-1** is a chemical-curing adhesive, and once dry will form a chemical bond with the flooring surface. Clean any adhesive from surface flooring immediately.

### Clean-up

*Fresh adhesive* – Use Mineral Spirits sparingly, with a clean cloth to immediately remove any adhesive from the floor surface and tools. Always test on a scrap of flooring material (prior to using on an installed floor) to ensure that the cleaner will not damage the surface. **DO NOT POUR CLEANER DIRECTLY ONTO FLOORING.**

*Dried adhesive* – Do not allow adhesive to cure on flooring surface, tools, or equipment. Cured adhesive will be difficult to remove. Once cured, adhesive can only be removed mechanically.

### Storage

*Re-Seal Partially Used Container:* Always replace the lid after dispensing adhesive onto the substrate. Place a sheet of heavy plastic (e.g., trash bag) onto the adhesive. Secure lid.

*Re-Open Partially Used Container:* Carefully pull lid open. Carefully cut and discard cured material and plastic from top of pail. Any uncured material may be used.

## 6. AVAILABILITY

### Packaging

4 gallon Metal Pail (15.14 L) NG-GL-3IN1-4 024043490031

## 7. WARRANTY

Naturally Aged Flooring warrants that this product will be free from manufacturing defects for 12 months from the date of manufacture, when applied in accordance with Naturally Aged Flooring instructions and industry standards. Naturally Aged Flooring's sole liability is to either supply new product or refund the original purchase price. This limited warranty excludes all other express warranties including the warranties of merchantability for a particular use or purpose. Any implied warranties arising by operation of law are limited to one year. Naturally Aged Flooring will not be liable for any incidental or consequential damages.

Visit [www.naturallyagedflooring.com](http://www.naturallyagedflooring.com) for full warranty details

## 8. MAINTENANCE

Not applicable.

## 9. TECHNICAL SERVICES

For technical services or installation questions not covered in this document, please contact us at: (866) 522-4500 or visit [naturallyagedflooring.com](http://naturallyagedflooring.com)

## 10. FILING SYSTEM

Division 9