



## Spec | Clutch

### DESCRIPTION

CLUTCH is a high-strength, one-part urethane that spreads easily. CLUTCH has a non-slump formula that will help ensure contact and adhesive transfer because the ridges will bridge normal gaps between the flooring and substrate. It allows fast installation even with complicated patterns due to its strong green grab. No flash time is required, so installation can commence immediately. It offers superior flexibility and is designed to adapt to seasonal changes. CLUTCH offers high shear strength and antimicrobial protection, which makes it suitable for outdoor and indoor use.

### SPECIAL FEATURES

- Single component and no mixing required
- Zero VOCs (per SCAQMD Rule 1168)
- High-strength polyurethane formula
- Indoor and outdoor applications
- No moisture vapor limitations / unlimited RH (withstands 100% RH)

This adhesive will maintain its integrity and performance even when high levels of moisture or water are present.

### SUBFLOOR EXAMINATION

Prior to installation, the subfloor must be checked according to national standards. It must be solid and sound, level, free of indentations as well as resistant to pressure and tension. Follow the appropriate industry standards, including ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring. Should areas require patching, leveling, and/or moisture mitigation, follow the manufacturers' Technical Data Sheets for the for the installation instructions. Concrete substrate should NOT be smooth and reflective; it must have a concrete surface profile of CSP 1-3 as defined by International Concrete Repair Institute (ICRI, Guideline No. 03732). It also must be tested in accordance with ASTM F3191 and be found porous, where a ¼" drop of water must absorb into the concrete within 1 minute.

### APPROVED SUBSTRATES

- Concrete
- Cement patching and self-leveling compounds
- APA-grade plywood
- Asphalt\*

\*Not all flooring types are compatible with asphalt; refer to the installation instructions of the flooring before installation.

### APPROVED FLOORING TYPES

- Rubber tiles
- Rubber underlayment
- Foam-and urethane-backed turf
- Sports flooring
- Hardwood flooring
- Rubber-backed vinyl

### INSTALLATION PROCEDURE (NON-HARDWOOD)

Spread the adhesive with the appropriate notched trowel, or use a glue box to spread the adhesive onto the seaming tape. Lay the flooring into the adhesive and press down firmly. Do not allow the adhesive to skin over prior to flooring installation. Skinning (cured adhesive) will prevent the proper transfer of the adhesive to the substrate and flooring.

Roll the installation using the flooring manufacturer's recommendations. Periodically check to ensure that there is enough coverage of the adhesive to the flooring; most flooring types will require >80% coverage and transfer. Tape and/or weigh seams to keep contact until the adhesive sets.



## Spec p.2 | Clutch

Always test an area to ensure product satisfaction and adhesion to the substrate.

### **INSTALLATION PROCEDURE (HARDWOOD)**

Spread the adhesive with the appropriate notched trowel, and immediately begin installation of hardwood flooring. Hardwood flooring must be installed using a "wet-lay" method. Do not allow the adhesive to skin over prior to flooring installation.

Skimming (cured adhesive) will prevent the proper transfer of the adhesive to the substrate and flooring. Periodically check to ensure that there is enough coverage of the adhesive to the flooring; engineered hardwood flooring requires 80% coverage and transfer for proper bonding. Solid hardwood flooring requires >95% coverage and transfer for proper bonding.

***For moisture-vapor protection of engineered floors, 100% substrate coverage and transfer is required.***

Always test an area to ensure product satisfaction and adhesion to the substrate.

### **LIMITATIONS**

- Slab temperature should be between 40oF and 100oF during installation. Large fluctuations in temperature during installation and cure should be avoided.
- Do not use on wet, dusty, contaminated, or friable substrates; do not use over substrates/slabs treated with sealers or curing compounds; do not use in areas subject to hydrostatic head.
- Do not allow heavy traffic or rolling loads for a minimum of 24 hours.
- Hardwood installations are limited to above- or on-grade.
- Refer to flooring manufacturer's recommendations and NWFA's specifications for proper acclimation, verification of moisture content of flooring with a moisture meter, and expansion relief around perimeter throughout installation.
- High humidity and temperatures will shorten open and working times.

The foregoing representations are based on the results of most current product and material testing within a controlled environment and are of a nonobligatory advisory nature only. As such, they do not constitute an express or implied warranty of any kind including the Warranty of Merchantability and/or Fitness for a Particular Purpose. Because we have no control over the actual quality of workmanship, materials used, and worksite conditions, PLAE will in no event be liable for any incidental and/or consequential damages. Therefore, we strongly recommend that prior on-site testing be conducted to refer to and study the suitability of the product for the intended purpose. With the release of this technical information sheet, all prior versions become invalid.

### **GENERAL FEATURES**

- Provides sound-dampening properties
- Provides unlimited moisture-vapor protection for wood flooring
- Contains no water
- High-solids content
- Freeze/Thaw stable
- May contribute to LEED

### **INSTALLATION FEATURES**

- "Wet-Lay" and no flash time required
- Strong grab
- Good ridge retention
- Very low odor
- Easy-to-spread polyurethane adhesive



## Spec p.3 | Clutch

### **LONG-TERM FEATURES**

Excellent warranty with multiple flooring types

### **FLASH TIME**

No flash required, 0 minutes

### **OPEN TIME**

Approximately 45 minutes at 70°F and 50% humidity

### **INSTALLATION APPROXIMATE COVERAGE RATES**

- Glue Box: approx. 50 SF/gal.
  - Trowel #4 (outdoor on rough surface): up to 50 SF/gal.
  - Minimum Run Length: 110 LF/pail (glue 9" wide)
  - Recommended Run Length: 160 lf/pail (glue 9" wide)
  - Maximum Run Length: 210 lf/pail (glue 9" wide)
- 3/32" x 3/32" x 3/32" V-Notch Trowel: 130 SF/gal
- 1/16" x 1/16" x 1/16" Square-Notch Trowel: 95 SF/gal
- 1/8" x 1/8" x 1/8" Square-Notch Trowel: 80 SF/gal
- Engineered Wood Flooring: 1/4" x 1/4" (V-Notch): 30-35 SF/gal

Please Note: It is up to the installer to determine the proper trowel for the job. Larger trowel sizes may be required to reach the minimum adhesive coverage.

**KEEP OUT OF REACH OF CHILDREN  
FOR PROFESSIONAL USE ONLY  
NOT LABELED FOR CONSUMER USE  
SEE SAFETY DATA SHEET**