

U-FORCE

URETHANES WOOD FLOORING ADHESIVE DESCRIPTION

EASY WET-LAY, TROWEL-ON APPLICATION OVER WOOD OR CONCRETE
CURES TO A TOUGH, ELASTIC FINISH FOR A STRONG, LONG-LASTING FLOOR INSTALLS SOLID,
ENGINEERED AND PARQUET FLOORING NON-SLUMP, MINIMAL-SHRINK PRODUCT
IS ENVIRONMENTALLY SUPERIOR TO MOST COMPETITIVE ALTERNATIVES

APPLICATION: SURFACES MUST BE CLEAN, DRY, AND FREE OF MATERIALS SUCH AS DIRT, OIL, WAX, GREASE, OR ANY OTHER SUBSTANCE WHICH MAY AFFECT ADHESION. ANY MATERIAL, WHICH IS NOT EASILY REMOVED, SHOULD BE ABRADED, SAND BLASTED, OR SIMILAR METHOD FOR REMOVAL. SUBSTRATE LEVEL MUST NOT VARY BEYOND 3/16" PER 10 FEET. FLOOR MOISTURE MUST NOT BE GREATER THAN 3 LB. PER 1000 SQ.FT. PER 24 HOURS, BASED UPON THE ASTM F 1869 CALCIUM CHLORIDE TEST OR GREATER THAN 4.5 ON A TRAMEX CONCRETE MOISTURE ENCOUNTER. POUR THE ADHESIVE OVER THE PROPERLY PREPARED SUBSTRATE, THEN SPREAD THE PRODUCT USING THE APPROPRIATE TROWEL. AVOID SKIN CONTACT. APPLY THE FLOORING USING THE METHOD OF CHOICE, ENSURING ANY ADHESIVE WHICH GETS ONTO THE FLOORING SURFACE IS CLEANED OFF WITH MINERAL SPIRITS WHILE STILL WET. FOLLOWING APPLICATION, CLEAN TOOLS USING A DRY CLOTH AND MINERAL SPIRITS WHILE THE ADHESIVE IS STILL WET.

TROWEL RECOMMENDATIONS:

TROWEL DIMENSIONS

3/16"X1/4"X1/2" V NOTCH



FLOORING TYPE

MULTI-PLY ENGINEERED/LAMINATED PLANK
AND CORK UP TO 5/8" THICK AND 6" WIDE.
SOLID AND BAMBOO UP TO 1/2" THICK AND
3" WIDE OR LESS.

COVERAGE

50-55 SQ.FT. PER GALLON

1/4"X1/4"X1/4" SQUARE NOTCH



SOLID, BAMBOO, AND CORK FLOORING
GREATER THAN 3" WIDE AND 3/4" THICK OR LESS

30-35 SQ.FT. PER GALLON

1/8"X1/8"X1/8" SQUARE NOTCH FINGER BLOCK PARQUET UP TO 1/2" THICKNESS



70-80 SQ.FT. PER GALLON

LIMITATIONS: DO NOT USE THIS PRODUCT AS A MOISTURE BARRIER. DO NOT USE THIS PRODUCT ON WET, FROZEN, OR CONTAMINATED SURFACES. DO NOT ADD WATER TO THIS ADHESIVE IN THE PAIL. DO NOT MIX THIS ADHESIVE.

PHYSICAL DATA:

COLOR:	BEIGE
VOC LEVEL:	LESS THAN 30 G/L
WEIGHT:	13.6 LBS/GAL
FLASH POINT:	GREATER THAN 230 F
ODOR:	SLIGHTLY SWEET / MINIMAL
FREEZE / THAW:	STABLE
TACK TIME:	60 MINUTES AT 70F AND 45% RELATIVE HUMIDITY.
CURE TIME:	AT AMBIENT CONDITIONS OF AROUND 70F AND 45% HUMIDITY, THE ADHESIVE SHOULD SET TO ALLOW LIGHT FOOT TRAFFIC AFTER 4 HOURS. NORMAL TRAFFIC CAN RESUME AFTER 12 HOURS. HIGHER HUMIDITY AND TEMPERATURE WILL ACCELERATE THE SETTING SPEED.
SHELF LIFE:	12 MONTHS IN UNOPENED CONTAINER

U-Force 2 in 1

Moisture Barrier and Wood Flooring Adhesive

Description of Product:

- **2 in 1 Hybrid is a urethane moisture barrier and wood flooring adhesive.**
- **Designed to install material such as: laminated / engineered flooring and parquet flooring over concrete.**
- **Application of this product gives the moisture barrier and the wood flooring adhesive in one easy trowel on application.**

Performance Features and Benefits:

- **Significantly reduces installation time compared to most standard moisture barrier / adhesive systems.**
- **Vastly reduces installation costing.**
- **Low V.O.C and low odor.**
- **Trowel ridge holding and non-slump.**
- **Offers easy application with good wet / green grab, which grabs up to hold the flooring.**
- **Final cured product yields a superior moisture barrier and wood flooring adhesive.**
- **Superior product elasticity elongates to cover small cracks and produces cushioned quieter floors with superior acoustic properties.**

Surface Preparation:

Surfaces such as concrete, cement-based backer boards, terrazzo and thoroughly abraded ceramic tile must be dry and free of dirt, loose particles, oil, wax, grease or any other substance which may affect adhesion. Floor level must not vary beyond 1/8" per 10 feet. If some materials prove hard to remove during preparation, surface abrasion such as sand blasting or some similar method must be used.

Floor Moisture Content Guidelines:

If the floor appears damp or is susceptible to moisture, pre-test the floor for moisture using a Tramex Concrete Moisture Encounter or the ASTM F 1869 calcium chloride moisture content test method. If the Tramex is initially used and reads 5.5 or less, proceed with the application. If the Tramex reads higher than 5.5, carry out the ASTM F 1869 calcium chloride test. If the moisture level tests higher than 10 lbs. per 1000 sq.ft. per 24 hours, do not use the 2 in 1, as moisture at this level indicates significant moisture problems, which must be addressed prior to flooring installation. If the moisture is at or below 10 lbs., proceed with the application.

Application and Method:

2 in 1 is applied using a continuous v-notch trowel, having teeth width of 1/4" and depth of 3/16". The trowel must be replaced every 500 square feet. The use of any other trowel to apply 2 in 1 will void all warranties and claims made by U-Force regarding the 2 in 1 product.

Trowel out the 2 in 1 like a standard urethane wood flooring adhesive, ensuring 100% coverage of the area where the wood flooring is to be installed. 2 in 1 will achieve coverage of approximately 40 square feet per gallon.

Immediately following trowel application, wet lay the wood flooring into the uncured 2 in 1, ensuring 100% contact of the flooring into the 2 in 1 is achieved, then tape the flooring, ensuring all defective flooring is discarded prior to installation.

Floor traffic should be light for the first 12 hours after installation, as excessive traffic can damage the moisture retardation effect of the 2 in 1. Full traffic can resume after 12 hours.

Clean any spilled 2 in 1 with mineral spirits prior to curing. Follow the cautionary dialogue on the mineral spirits container, as mineral spirits is flammable.

2 in 1 can be used to install the following wood flooring types:

- 3 ply, 5 ply and multi-ply engineered / laminated plank up to 6" wide and up to 5/8" thick.
- Finger block parquet 1/2" thick or less.

For standard protection, wear safety glasses and disposable gloves.

Packaging and Shelf Life:

Product is packaged in a 3.5 or 5 gallon metal pail which keeps it stable for one year in the unopened pail (store under ambient conditions in a dry area). Cured material is not considered hazardous.

Partially used containers can have their original lid replaced and sealed. Upon the next use, remove the lid, cut away and discard any skin formation and proceed with application.