

# EF-369 FLOORING ADHESIVE INSTRUCTIONS

Read and understand all information below before installation.  
If there are any questions, please direct them to IN.id at (909) 455-0186

## PRODUCT DESCRIPTION

EF-369 Flooring Adhesive has been formulated for the interior installation of dimensionally stable luxury vinyl tile (LVT), luxury vinyl plank (LVP), fiberglass backed sheet vinyl, carpet tile, and approved cork/rubber/foam underlayments over approved substrates. EF-369 offers an aggressive tack, high moisture resistance, and can be roller or trowel applied. The flooring may be installed up to 16 hours after initial drying if the area remains dust and dirt free. EF-369 is a solvent-free adhesive with minimal odor.

## APPROVED SUBFLOORS

- Plywood
- Existing vinyl tile flooring
- Concrete; above or on grade
- **Below-grade concrete in the absence of excessive moisture and alkalinity** (Use below-grade only when recommended by flooring manufacturer)
- IN.id does not approve using EF-369 over ceramic tile
- A.P.A. standard underlayment particle board
- Existing fully adhered, non-cushioned sheet vinyl
- Lightweight concrete (coated with latex primer)
- Terrazzo
- Underlayment grade O.S.B.

**Note:** If IN.id's list of approved subfloors is different from the flooring manufacturer, IN.id requires that you must follow the flooring manufacturer's recommendation.

## SUBFLOOR REQUIREMENTS

- All subfloors must be smooth, dry, clean, flat and free of dirt, grease, wax, paint, oil or anything that would hinder a good bond. Trisodium phosphate (TSP) can be used to clean vinyl surfaces. Concrete subfloors not meeting this standard must be scoured with 3 1/2 open coat paper (20 grit), then vacuumed clean.
- Do not install over old "cutback" petroleum adhesives. These must be removed completely or covered with an adhesive isolation membrane, or a portland cement leveling compound.
- When installing flooring over gypsum-based levelers, the gypsum must first be sealed/primed and allowed to dry prior to installation of flooring (see gypsum manufacturer's instructions for recommended sealer/primer).
- Completely drying the leveling compounds is critical before installation. While the curing time may only take a few hours, the complete drying time for these compounds may take up to 24 hours or more. Please follow the manufacturer's instructions.
- Radiant heated subfloors should be turned off 24 hours prior to the installation to prevent the adhesive from prematurely curing.
- Epoxy and poured vapor barriers may leave an oily residue after application, which should be removed. The vapor barrier's surface should be abraded or lightly sanded and cleaned thoroughly. When installing over a non-porous subfloor, additional flash off is needed.
- When using new sheet vinyl as a moisture barrier over concrete, a vinyl primer must be applied. Refer to manufacturer's instructions and limitations.
- If there is a concern about adhesion to any subfloor, install a test area before installing the entire floor.
- Subfloors must be flat to 3/16" in a 10' radius or 1/8" within a 6' radius.
- Remove any high spots with a terrazzo grinder or sander and fill any low spots with a good quality cementitious based latex patch mix.
- Thorough examination for excessive moisture in all subfloors is essential.
- Look around for visible water stains on the drywall and subfloor, particularly on concrete.

IN.id does not warrant the installation of IN.id adhesives over non-approved concrete sealers and coatings. For more information contact IN.id's Technical Services.

**Checking for and avoiding excessive moisture in every subfloor must be done.**

IN.id requires the use of moisture tests on all concrete and wood subfloors. It is important that the subfloor's moisture readings do not exceed the flooring manufacturer's or IN.id's recommendations, whichever is lowest. If excessive moisture is present, use an appropriate vapor barrier. All moisture tests must be documented prior to installation for IN.id's warranty to be in effect. After moisture testing of the concrete subfloor is complete, if moisture is above limitations, a concrete moisture control system is required. For more information, contact IN.id.

• The maximum level for moisture emission when installing all approved resilient flooring is 8 pounds per 1,000 square feet over 24 hours, per the ASTM 1869 Calcium Chloride Method Test and up to 90% Relative Humidity (RH), per the ASTM 2170 Relative Humidity Test.

• **Moisture in wood subfloors should be measured with a wood moisture meter. The moisture content should not exceed 12%. Read flooring manufacturer's moisture standards. A moisture meter can also be used to measure moisture in the concrete. Follow the instructions carefully. Moisture meters measure wood and concrete differently.**

**CLEAN-UP:** Wet adhesive can be removed with a damp cloth. Adhesive can be removed with mineral spirits or a safe solvent. Hands and tools may be cleaned with a "waterless hand cleanser" available at hardware and auto supply stores.

**VENTILATION:** Installers should provide adequate cross-ventilation during and a minimum of 24 hours after the installation.

**KEEP FROM FREEZING:** While this adhesive is freeze/thaw consistency to 25°F (up to two cycles), it is imperative to avoid it from freezing. If the adhesive freezes, it cannot be used. It will become difficult to trowel, lumpy (or solid) and will not adhere to the floor.

**CAUTION:** V.O.C. 0 grams/liter. Avoid eye contact. In case of eye contact, flush eye with clean water for fifteen minutes. If irritation persists, get medical attention. Use with adequate ventilation. Keep out of reach of children.

These directions are general guidelines for flooring installations. It is the responsibility of the installer to determine proper drying time of the adhesive, trowel size to be used and acceptability of subfloor conditions. Installations must also be in accordance with flooring manufacturers recommendations. Only flooring that is approved for glue down installations by the flooring manufacturer can be used with EF-369. Floors installed with EF-369 are not warranted against damage caused by wet mopping, flooding, plumbing leaks or other unwarranted circumstances. For any installation not herein recommended, please contact IN.id before proceeding.



## RECOMMENDED TROWELS



Vinyl Tile and Vinyl Plank  
(over porous substrates)

1/16" x 1/16" x 1/16" square notched  
Up to Approx. 200 sq. ft/gal spread rate



Vinyl Tile and Vinyl Plank  
(over non-porous substrates),  
Carpet Tile,  
Fiberglass Backed Sheet Vinyl

1/16" x 1/32" x 1/32" U notched  
Approx. 300 sq. ft/gal spread rate



Cork/Rubber /Foam  
Underlayment  
(up to 1/4")

3/32" x 3/32" x 3/32"  
V notched  
120 sq. ft/gal spread rate



Cork/Rubber /Foam  
Underlayment (greater than 1/4")

1/8" x 1/8" x 1/8"  
square notched  
80 sq. ft/gal spread rate

\* Trowel diagrams are not to scale

**Carpet Tile and Fiberglass Back Sheet Vinyl Installations:** A smooth surface paint roller up to a 3/8" nap is recommended. Coverage over porous substrates is up to 350 sq. ft./gal. (8.6 sq. meters/liter). Coverage over non-porous substrates is up to 400 sq. ft./gal. (9.8 sq. meters/liter). **NOTE:** Coverage is approximate and may vary depending on porosity of substrate and the amount of adhesive applied.

## LUXURY VINYL TILE & LUXURY VINYL PLANK FLOORING INSTALLATIONS

The adhesive, floor covering, and area to receive flooring must be maintained at a temperature of 65°-95°F and at a relative humidity of 35%-65% for 72 hours before, during, and after installation. Follow the flooring manufacturer's guidelines regarding site conditions and installation. Roll the flooring during and immediately after installation.

**Porous Surfaces:** May be used as a wet-lay method or a pressure-sensitive adhesive over porous surfaces. To use wet, apply the adhesive with the recommended trowel and allow it to flash off for 10-15 minutes before installing flooring. Lay tile or plank into wet adhesive according to flooring manufacturer's instructions. The adhesive must transfer to the flooring product to ensure a proper bond. For wet-lay installations, please wait 8 hours before allowing traffic. To use as a pressure-sensitive adhesive, allow the adhesive to dry completely and then install flooring according to flooring manufacturer's instructions.

**Non-Porous Surfaces:** Tile & Plank: Apply adhesive with the recommended trowel and allow it to dry completely. Lay in the tile or plank according to the flooring manufacturer's instructions. The highly aggressive pressure-sensitive grip prevents slippage and minimizes seam gaps. Drying time is 45-60 minutes and will vary depending on temperature and humidity. Installation over areas of incomplete drying can result in job failure. Traffic can begin immediately after installation.

## CARPET TILE INSTALLATIONS

The adhesive, floor covering, and area to receive flooring must be maintained at a temperature of 65°-95°F and at a relative humidity of 35%-65% for 72 hours before, during, and after installation. Adhesives applied over non-porous substrates require extended drying time.

- Apply adhesive with a 1/16" x 1/32" x 1/32" u notched trowel, depending on surface and strength of bond desired. It is the installer's responsibility to apply the proper amount of adhesive for the job condition.
- Used "dry" it is a releasable and rebondable, pressure sensitive adhesive for vinyl back carpet tiles. For a releasable bond, EF-369 may be applied to porous or non-porous surfaces and allowed to dry "tacky." Tiles may be removed as needed to change the pattern or to replace worn tiles.
- When used "wet" the water in the adhesive must have an avenue of escape (one surface must be porous), and the bond created will be permanent.
- Install flooring according to manufacturer's recommendations.

## FIBERGLASS BACK SHEET VINYL INSTALLATIONS

The adhesive, floor covering, and area to receive flooring must be maintained at a temperature of 65°-95°F and at a relative humidity of 35%-65% for 72 hours before, during, and after installation. Adhesives applied over non-porous substrates require extended drying time.

- Apply adhesive with a recommended roller to an approved substrate. It is the installer's responsibility to apply the proper amount of adhesive for the job condition.
- Allow adhesive to completely dry until it will not transfer to the fingers when pressed.
- Lay flooring according to manufacturer's recommendations.
- Complete the job by using the "Broom Method" or installer's choice for removing air pockets.

**NOTE:** Restrict heavy traffic on the floor for at least 24 hours after installation.

## APPROVED CORK/RUBBER/FOAM UNDERLAYMENT INSTALLATIONS

- Unroll underlayment and cut sections approximately 2" wide off roll. Vertically adhere this isolation barrier around the perimeter of the entire floor with EF-369.
- Never mechanically fasten the isolation barrier with screws, nails or staples as this will severely diminish the acoustical values of the barrier.
- Cut underlayment to length and lay loosely over the area to be installed. Both ends of the roll must curl down towards the subfloor, if they curl up, turn the underlayment over. Butt the underlayment directly against the isolation barrier already installed.
- Pull the loose laid material back at least half the length of the roll. Using a 1/8" x 1.8" x 1/8" square-notched trowel for underlayment greater than 1/4", or a 3/32" x 3/32" x 3/32" v-notched trowel for 1/4" thick underlayment or less, apply Deluxe Bond to the subfloor. Allow EF-369 to flash for 20 to 30 minutes prior to placing underlayment into adhesive. Upon placing underlayment into the adhesive, roll both ways with a 100 lb roller. Repeat the installation for the other half of the subfloor, insuring all joints are butted together tightly.
- Allow adhesive to set prior to proceeding to flooring installation. It is highly recommended to allow at least 18 hours prior to installation of the flooring.

**WARRANTY** This product is warranted to be free of manufacturing defects. If a manufacturing defect is found within one year from the date of purchase, such defective product shall be replaced. No warranty either expressed or implied is made regarding the performance of this product since conditions under which these goods are transported, stored, used, or applied are beyond our control. This warranty is made in lieu of all other warranties either expressed or implied and the seller shall not be responsible for consequential, incidental, special, or other damages no matter what the cause.

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