

This is recommended for all Karndean Floors

II. CLEANING AND MAINTENANCE

Karndean's Three-Part Cleaning and Maintenance System is carefully designed to provide longer lasting beauty and to make caring for your floor as simple as 1, 2, 3!

Step 1: Karndean Basic Cleaner and Stripper readily removes residue left over from installation and dissolves polish build-up from previous polish applications.

To Remove Any Residue Left Over From Initial Installation:

Dilute **Karndean Basic Cleaner and Stripper** approximately 1:5 with water and mop onto the floor. Allow **Basic Cleaner and Stripper** to penetrate for approximately 5 minutes. Scrub the floor area using our blue applicator and green pad or an abrasive nylon pad. Thoroughly remove the soiled solution with a mop or cloth and several rinses of clean water.

To Dissolve Polish Build-Up from Previous Applications: Follow instructions listed above. For the removal of stubborn marks, use **Karndean Basic Cleaner and Stripper** undiluted on marked areas.

Basic Cleaner and Stripper works best when used with cold water. **Basic Cleaner and Stripper** should not be allowed to dry on the floor. Rubber gloves are recommended when applying **Basic Cleaner and Stripper**. Keep container closed and out of reach of children. **Basic Cleaner and Stripper** can cause skin irritation. If this occurs, rinse with clean water and contact your physician.

Step 2: Karndean Dim Glow Floor Protector creates a matte, anti-slip film finish which helps protect Karndean flooring from marks and scratches and makes cleaning easier.

For an Extra Protective Coating on Newly Laid Floors:

Apply Karndean **Dim Glow Floor Protector** in a thin, even coat after the floor has been thoroughly cleaned with **Karndean Basic Cleaner and Stripper**. Allow the first coat of **Karndean Dim Glow Floor Protector** to dry for approximately 30 minutes. It is recommended to let the floor dry completely before walking on the surface, and preferable to let **Karndean Dim Glow Floor Protector** dry overnight if possible.

To Maintain an Extra Protective Coating:

Apply **Karndean Basic Cleaner and Stripper** after the floor has been thoroughly cleaned with **Karndean Routine Cleaner** and allowed to dry. Allow the first coat of **Karndean Dim Glow Floor Protector** to dry for approximately 30 minutes. It is recommended to let the floor dry completely before walking on the surface, and preferable to let **Karndean Dim Glow Floor Protector** dry overnight if possible.

Then, after a period of time, when the care coating created by **Karndean Dim Glow Floor Protector** needs replenishing, the floor should be cleaned with the **Basic Cleaner and Stripper** before reusing **Dim Glow Floor Protector**.

Note: **Dim Glow Floor Protector** is self leveling and can therefore be utilized to recoat only areas requiring reapplication. **Dim Glow Floor Protector** will blend into areas with an older layer of protection.

Dim Glow Floor Protector is not compatible with older applications of Karndean Floor Guard Polish and Protector.

Step 3: Karndean Routine Cleaner makes floor cleaning easy and keeps floors looking newer longer.

For Routine Cleaning:

Thoroughly sweep or vacuum floor before washing. Dilute Karndean Routine Cleaner approximately 1:10 with water. Damp mop the floor using a clean sponge or mop. It is not necessary to rinse the floor after cleaning. For best results, continue to rinse the mop or sponge throughout the cleaning process.

Use **Karndean Routine Cleaner** at least once a month to maximize cleaning potential.

Keep containers closed and out of reach of children. Keep from freezing.

*** For Material Safety Data information on any products, please contact Karndean @ (888)266.4343.

Limited Warranty

Karndean International warrants all of their first quality floor tiles and planks to the original purchaser against wear out for a period of; **Knight Tile residential 12 years, light commercial 5 years; Michelangelo residential 12 years, commercial 10 years; Van Gogh residential 15 years, commercial 10 years; Renoir residential 15 years, commercial 10 years; Da Vinci residential 20 years, commercial 10 years; Art Select residential 20 years, commercial 10 years** providing the material was installed and maintained properly, and used as intended and recommended. Wear out is defined as a complete removal of pattern and/or color from normal traffic and maintenance. In the event wear out occurs within specified product warranty time frame of the date of purchase, Karndean International will repair or provide replacement materials only. Furthermore, Karndean Tiles and Planks are warranted to be free of any manufacturing defects. Any other implied warranty that the goods shall be fit for a particular purpose is hereby excluded. Karndean accepts no responsibility for faulty installation or incorrect maintenance. This warranty does not include the following:

1. damage due to: stains, burns, cuts, gouges, scuffs, scratches, indentations, and other accidents or abuse;
2. discoloration or bond release from hydrostatic pressure or excessive moisture caused by such things as flooding, plumbing and appliance leaks;
3. installation of flooring over particle board, chipwood, or presswood;
4. installation where material was not installed with Karndean adhesive in accordance with Karndean specifications and recommended usage;
5. dissatisfaction due to improper installation, maintenance or irregularities;
- and 6. reductions in gloss or build up of residue due to improper maintenance or normal wear and gloss reduction from use.

KARNDEAN

Floor Care Installation & Warranty Guide



www.karndean.com

**Karndean International
1100 Pontiac Court
Export, PA 15632
USA**

Toll free phone: 1-888-266-4343

I. GENERAL INSTALLATION GUIDELINES

A. Product Suitability

Karndean Tile & Plank is suitable for all interior floor surfaces; above, on, or below grade, and over concrete or wood subfloors. Also, when used in conjunction with the K-91A adhesive, it is suitable for installation over one layer of non-cushion existing vinyl, wood, ceramic, and other floors. Subfloor preparation and installation procedures must conform to RFCI specification IS-2.

B. Testing and Acclimatizing

It is essential to conduct a Calcium Chloride Moisture Test on all concrete floors. The test should be conducted around the perimeter of the room, at columns, and where moisture may be evident. The moisture emissions from the concrete when using KNA322 should not exceed 3.0 lbs. per 1000 square feet in 24 hours and when using K-91A should not exceed 5.0 lbs. per 1000 square feet in 24 hours. This is RFCI Regulation.

During this preliminary moisture testing period, Karndean Tile & Plank should be present at the job site to allow an appropriate period for the product to acclimatize. Generally, 24 to 48 hours is acceptable. Room temperature should remain between 65° and 85° for 48 hours prior to and after installation. If the concrete exceeds moisture limitations, the installation should not proceed until the problem is corrected. A moisture problem can be corrected by sealing the concrete with any one of the many brands of concrete sealers available. After the sealer has been applied, re-test to ensure that the problem has been corrected. It is important to note that a moisture test indicates conditions at the time of testing only. The flooring contractor cannot be held responsible if the moisture appears in the future, causing adhesive failure.

Please note that new concrete subfloors contain a high percentage of moisture and must be allowed to dry out. The drying time will depend on several conditions, such as the type of concrete used, average air temperature and thickness and location of the slab.

C. Subfloor Preparation

Underlayment panels are used to correct deficiencies in the wood subfloors and to provide a smooth, even, firmly attached surface on which to attach Karndean flooring products. Suitable underlayments would include APA (American Plywood Association), underlayment grade plywood, and most other products engineered by the manufacturer to be used as vinyl floor underlayments. Responsibility for the performance of the underlayment rests with the manufacturer of that product.

Multi Ply High Grade and Masonite brand

underlayments are recommended; the most common of which is 1/4" APA underlayment grade plywood.

Particle board, strand board and flake board are not RFCI-recommended underlayments, and therefore are not recommended for use as a subfloor to Karndean flooring. Luan underlayment is also not recommended due to the level of oil that may react with our adhesive and loosen the bond of the floor.

Always fasten underlayment panels in accordance with the manufacturer's recommendations as any failure of the underlayment or Karndean flooring product as a result of the underlayments is the responsibility of the underlayment manufacturer. Suitable underlayment with a fully sanded surface and a minimum thickness of 1/4 inch is preferred. The subfloor must be free of any foreign material, such as dust, grease, oil, polish, loose material or any other separating agents that may cause staining, telegraphing or adhesive failure.

Concrete subfloors are also suitable provided the concrete's moisture content is within the specified parameters.

Seams, cracks, indentations and other subfloor irregularities should be patched using a Portland based patching compound or leveler. Other types of levelers, such as calcium sulfate/plaster/gypsum based compounds are not recommended, as they may harbor and promote mildew growth, provide low indentation resistance and offer poor bond and adhesion strength.

When installed with the K91A adhesive, Karndean Tile and Plank may be installed over a single layer of non-cushioned resilient flooring, provided the following conditions have been met:

1. The existing flooring must be fully adhered and well-bonded;
2. The subfloor or underlayment that is under the existing resilient floor must meet the requirements of the existing floor and the Karndean floor;
3. Any waxes or finishes must be completely removed and rinsed with clean water; and
4. Any existing floor must be leveled to prevent telegraphing with a Portland base skim coat of at least 1/8 inch to 1/4 inch thick over entire surface of floor.
5. If existing floor has been installed over concrete, on or below grade, one calcium chloride moisture test must be performed for every 1000 square feet. The results of the test must meet the requirements of both the existing floor and the Karndean floor. Moisture tests should be conducted over an area where the existing floor and adhesive has been completely removed.

Acceptable Subfloors:

Karndean always recommends the use of 1/4 inch plywood as a subfloor or adhering Karndean Tile & Plank directly to smooth concrete. Although GypCrete is NOT a recommended subfloor it can be utilized when absolutely necessary due to radiant heat. GypCrete must be sealed using a latex primer coating to stabilize the surface for adhesive. K91A adhesive must be used, and applied using a pressure sensitive application. Floors installed in this manner MUST be rolled with a 100lb. sectional roller.

D. Applying Tile/Plank

When using **KNA322 Adhesive** to apply Karndean Tile & Plank, the subfloor must be porous, such as concrete or wood. Spread the adhesive in small sections with a 1/16" x 1/16" x 1/16" square-notched trowel. Each section must be no larger an area than can be covered with flooring in approximately 20 to 30 minutes.

Install flooring before adhesive skins over or dries. The adhesive working time is approximately 30 minutes under normal conditions. Position the plank or tile firmly in the adhesive without sliding. Periodically check to make sure that at least 95% of the adhesive pattern has been transferred to the back of the plank or tile. If adhesive starts to set up or skins over scrape it up and reapply fresh adhesive. Roll each section immediately upon completing with a minimum 100-pound, three-section roller. Re-roll the entire area after one or two hours. Do not wash or polish the floor for a minimum of 48 hours after installation. Furthermore, it is recommended that you avoid walking on for the first 24-48 hours.

Use **K-91A Adhesive** when applying Karndean Tile & Plank over porous subfloors, such as concrete or wood, and non-porous floors, such as existing vinyl floors.

For installation over porous surfaces, adhesive may be used as a wet or as a pressure sensitive adhesive. To use wet, apply adhesive with the recommended trowel (see side of adhesive pail), and allow to flash-off for 5 to 10 minutes before installing flooring. Lay tile or plank into wet adhesive. Adhesive must transfer to floor product to ensure proper bond. To use as a pressure sensitive adhesive, allow drying to a tacky state and then install flooring within 90 minutes. Within 30 minutes after installation is complete, roll and cross roll entire floor with a 100 pound sectional roller. Use hand roller in areas which cannot be reached with larger roller. Check 1 to 2 hours after installing flooring material and roll again if necessary.

For installation over non-porous surfaces, apply adhesive with recommended trowel (see side of adhesive pail) and allow to dry completely from white to clear and lay in the tile or plank within 90 minutes. The highly aggressive pressure sensitive grip prevents slippage and minimizes seam gaps. Drying time will vary due to installation site temperature and humidity. Installation over areas of incomplete drying can result in job failure. Within 30 minutes after installation is complete, roll and cross roll entire floor with a 100 pound sectional roller. Use hand roller in areas which cannot be reached with larger roller. Check 1 to 2 hours after installing flooring material and roll again if necessary.

Use **Karndean Epoxy Adhesive** when applying Karndean Tile or Plank over porous subfloors, such as concrete or wood, and non porous floors, such as existing vinyl floors, steel decks, and marine applications.

For installation over porous surfaces, apply adhesive with the recommended trowel (see side of adhesive pail), and install flooring into wet adhesive. Adhesive must transfer 100% to back of flooring to ensure proper bond. Do not spread more adhesive than can be laid into within 30 minutes. Open time is approximate, depending upon installation site temperature, humidity, and porosity of the subfloor. Within 30 minutes after installation is complete, roll and cross roll entire floor with a 100 pound sectional roller. Use hand roller in areas which cannot be reached with larger roller. Check 1 to 2 hours after installing flooring material and roll again if necessary.

For installation of non-porous surfaces, apply adhesive with recommended trowel, (see side of adhesive pail). Open time will depend upon installation site temperature and humidity. Adhesive must transfer 100% to back of flooring to ensure proper bond. Within 30 minutes after installation is complete, roll and cross roll entire floor with 100 pound sectional roller. Use hand roller in areas which can be reached with larger roller. Check 1 to 2 hours after installing flooring material and roll again if necessary.

**If you have any further questions, please call Karndean @ (888)266.4343.