

Installation:

ACCLIMATION:

Condition flooring, tape or adhesives to the proper room temperature between 65°F (18°C) and 95°F (35°C), 48 hours before, during and thereafter. In some situations **evoke** Quick floors may be warranted outside of these parameters. Consult with our technical department for further details on this subject.

INSTALLATION MATERIALS:

For added assurance and warranty use recommended installation and maintenance materials that are listed below.

In some situations the installer may wish to use adhesive instead of Quick tape or may wish to adhere the entire floor:

- Apac 610 Pressure Sensitive Adhesive when easy removability is desired.

- Apac 584 Adhesive for commercial applications and when heavy rolling or static load conditions are present.

- Apac 569 Heavy Duty Adhesive for commercial applications where very heavy rolling or static load conditions are present or when topical moisture conditions persist.

- Boa Quick Tape: Standard installation method for **evoke** Quick Floors.

- Apac 50 Cement-Based Patch for filling and repairing cracks and voids

- Apac 51 Additive to Apac 50 – increases pot life and workability for Apac 50. When mixed with Apac 50, can be used as an embossing leveler.

- Apac 44 Self-leveling cement-based underlayment

- Apac 31 Primer as preparation for Apac 44, especially over gypsum.

- Apac EnCapSeal for slabs over 1 year old: Encapsulator, Sealer, Primer, PH Blocker

- Apac V-Block for new slabs up to one year: Primer and Sealer. Required over Gypsum based subfloor.

More about these products can be found at:
www.apacadhesives.com

LAYOUT:

Precise and careful measurements are very important. Plan your layout so that the edges of the flooring tiles or planks do not sit directly over the top of underlayment joints. For the best layout and installation results, consult our expanded installation instructions found online at www.evokeflooring.com or acquire from your local dealer.

FOR PLANKS AND TILES:

When cutting and fitting planks into the overall layout of the room; cut planks no smaller than 6" in length and 3" in width. Adjust layout for a balanced look.

INSTALLATION:

- Planks or Tiles can be cut using the score and snap method or by using a tile cutter.

- Install by pulling planks or tiles from several cartons concurrently. This important step will assure a random and natural appearance.

- **evoke** "Quick" floors are typically installed using a loose-lay method that only requires tape on starter rows, perimeter pieces, entrances and under heavy appliances such as refrigerators and freezers. Adhesive may be used in lieu of tape (see Installation Materials section for list of acceptable products).

- Non-typical installations include full spread adhesive or Quick tape used every 8" – 14" perpendicular to the plank layout.

- Note: All installations over radiant heat require the use of Apac 569 adhesive instead of double-sided tape at perimeters, entrances and under heavy objects. See other Subfloor Conditions: Radiant Heated Subfloors.

- If installing on a landing or on a stair tread, special procedures must be followed. Request specialized instructions from our technical department.

FOR PLANKS AND TILES:

- The starter row must be perfectly aligned because it establishes a true and straight line for all subsequent rows.

- Roll out two rows of tape along back side of plank, not on substrate.

- Once the row is perfectly placed, walk over the planks to assure that the flooring is adequately adhered.

- Continue installing rows in a staggered and random fashion. Stagger end joints a minimum of 4" – 6" to assure a beautiful and random appearance.

- Roll out two rows of tape at a distance equal to the width of the perimeter planks. Install planks over tape.

FOLLOWING INSTALLATION:

- Install specified transition strips where applicable. Replace wall base.

- Do not walk, or place furniture, appliances or other items on floor for at least 24 hours if adhesive was used.

- Never slide appliances or other heavy items across the floor. Use plywood and a hand dolly or an approved air ride appliance moving device.

- Use walk-off mats without rubber backings to control grit.

- Use furniture glides and protectors to prevent scratching and indentations.

- Do not wet-wash, scrub or strip the floor for a minimum of 7 days following installation.

Follow regular maintenance routine using the Therapy by Kentwood Floor Care System, available from your **evoke** dealer.

In order to deliver the best looking product possible, when the installation is complete it is recommended that the installer clean the floor using Therapy by Kentwood Spray Cleanser. Follow the product instructions. Do not wet mop or flood the floor; mist it with the Spray Cleanser and damp mop as instructed.

*Commercial applications: while all **evoke** Luxury Vinyl floors have durable polyurethane finishes, users in some commercial applications may wish to wax the floor for added protection. If the **evoke** Luxury Vinyl flooring was installed with adhesive (Stick, Quick) DO NOT wet wash or strip the floor for seven days after installation. This will ensure the adhesive has sufficient time to cure completely.*

Care & Maintenance / Product Warranty:

For complete care and maintenance instructions and product warranty for your **evoke** luxury vinyl floor please visit www.evokeflooring.com. Please note: failure to follow the manufacturer's care and maintenance instructions may void the product warranty.

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EVO-INS-LVD-5MM-BOX_V1.0

LUXURY VINYL | QUICK 5MM INSTALLATION INSTRUCTIONS

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INSTALLATION INSTRUCTIONS EVOKE LUXURY VINYL – QUICK 5MM

Abridged version – for complete & up to date installation instructions please visit evokeflooring.com

These floors may be installed:

- On, above or below grade – for interior applications only.
- Over radiant heated floors where the surface temperature of the subfloor does not exceed 90°F. See details below.

Added Systems Warranty:

– In addition to the product warranty, your **evoke** Luxury Vinyl floor may also be covered by a systems warranty if the installation method and materials conform to the manufacturer’s recommendations. For more information, please email info@evokeflooring.com.

Installer Responsibility:

– Inspect all flooring products to ensure they are the correct color, pattern, size and texture ordered.

– For topics not covered in this set of instructions please refer to our expanded installation instructions at: www.evokeflooring.com. For specialized situations, please email our technical services department at info@evokeflooring.com.

– Inspect related installation materials and tools to ensure that they are correct for substrate, application rate and that the correct quantity of materials is on hand.

– Inspect all materials for damage and check the adhesive pull date to ensure proper bond strength is achieved.

– Review warranty of products to ensure that the proper flooring and adhesives are being used for intended application, i.e. residential or commercial use including static and dynamic load expectancy.

– Ensure that the jobsite is ready for the installation of floor covering: Underlayment compatibility, signs of moisture or alkalinity and other conditions that may prevent the successful installation and performance over the life of the floor.

– Review and follow all regulations and good work practices for the removal of existing floor tiles, sheet vinyl and adhesives, (Recommended Work Practices For Removal of Resilient Floor Coverings) found at the Resilient Floor Covering Institute website: www.rfci.com

– Review and follow all EPA regulations and good work practices related to mold and mildew found at the EPA website: www.epa.gov/iaq/molds

– Review and follow all regulations and good work practices related to the Lead Safe Housing Rule. Links to EPA and HUD LSHR regulations may be found through this website: http://www.hud.gov/offices/lead/enforcement/lsnr_rrp_changes.cfm

Storage and Handling:

– Cartons of tile or plank should be stored in a dry environment and placed on a flat, level surface. Stack squarely, no more than 10 cartons high. Do not store or turn on edges. Do not store directly on any concrete surface. Acclimate all materials according to instructions found in section: Installation.

– Store in a dry, temperature controlled environment out of direct sunlight. Maintain temperatures between 65°F (18°C) and 95°F (35°C) at all times. Remove tile and adhesives from your vehicle immediately after transporting.

Jobsite Conditions:

– Intended for interior applications only. These floors should not be used in garages, commercial kitchens, food processing areas, heavy industrial areas or where spiked shoes are worn.

– Do not begin installation or floor preparation before other trades have completed their work.

– All areas should be fully enclosed, weather-tight with the permanent HVAC in operation. See special note regarding radiant heated floors under: Other subfloor conditions.

– Substrates must be clean, dry, sound, smooth and flat (1/8” in 8’).

Pre-existing conditions:

WARNING

Do not sand, dry sweep, dry scrape, drill, saw, beadblast, or mechanically chip or pulverize existing resilient flooring, backing, lining felt, asphaltic “cutback” adhesive, or other adhesive.

These products may contain asbestos fibers and/or crystalline silica.

Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard.

Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm.

Unless positively certain that the product is a non-asbestos-containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content.

RFCI’s Recommended Work Practices for Removal of Resilient Floor Coverings are a defined set of instructions addressed to the task of removing all resilient floor covering structures.

NOTICE

Various Federal, State and local government agencies have regulations governing the removal of in-place asbestos-containing material. If you contemplate the removal of a resilient floor covering structure that contains (or is presumed to contain) asbestos, you must review and comply with all applicable regulations.

Please note that these recommended work practices are subject to change as new practices are incorporated. It is your responsibility to determine that the recommended work practices you use are those in effect. Refer to the RFCI website at: www.rfci.com

Considerations:

STATIC OR DYNAMIC LOADS:

– Do not install where heavy dynamic (rolling) loads are present as it may shift the planks unless you plan to install using a full spread adhesive.

SUBFLOOR & UNDERLAYMENT:

The installer should take care to ensure that the subfloor and substrate are properly prepared to receive the new flooring. Adequate and careful attention to this will help prevent ridging and tunneling; bumps caused from dirt or other textures; discoloration from residual adhesives, nails or other fastening devices and improperly used underlayment panels, alkali deposits, mold and mildew.

Substrate should not be glossy or shiny and have a texture that helps the backing of the flooring to “grab and hold”. Final determination for suitability rests with the installer. Guidelines below are generalized and not all encompassing. For additional “grab and hold” performance, apply one or two coats Apac V-Block with 3/8” nap roller, let dry completely.

DEFINITIONS:

– Subfloor is defined as being a part of the structural support of the building.

– Wood Underlayment is laid over the top of the subfloor and becomes the substrate on which the vinyl plank or tile is adhered to.

– Cementitious underlayment is poured or troweled over a subfloor, existing floor or underlayment to ensure a smooth surface to which the vinyl can be adhered to.

WOOD SUBFLOORS:

– Wood Subfloors must have a minimum of 18” of ventilated air space below (crawl space). Crawl space must be covered with a suitable vapor barrier.

– Must be structurally sound with minimal movement and deflection. Minimal thickness is ¾” (19mm).

– Moisture content should not exceed 13%.

WOOD UNDERLAYMENT:

– All underlayment panels must be smooth, clean and dry and a minimum of ½” (6.35mm) thick.

– Panels must not be treated with any substance including preservatives, moisture inhibitors, and free of any wax, silicone, solvents, dyes or other materials that may stain the flooring.

– Nails that do not bleed or rust should be used when installing underlayment panels. Follow underlayment manufacturer instructions.

– Moisture content should not exceed 13%.

The table below is intended only as a guide. Performance for the underlayment rests with the underlayment manufacturer and is not warranted by the flooring manufacturer. Follow underlayment manufacturer’s recommendations.

TYPE	NOTES
Plywood – APA rated – smooth face, exterior exposure classification	Yes if rated for underlayment with vinyl tile
Plywood – Poplar or Birch smooth face with exterior rated glue	Yes if rated for underlayment with vinyl tile
Plywood – Treated	No
Lauan	No
Hardboard	No
Particleboard	No
OSB	No

CONCRETE SUBFLOORS:

– Follow all guidelines listed in the most recent ASTM F710 “Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring” and the American Concrete Institutes ACI 302.1R-08 “Guide for Floor and Slab Construction”. It is the installer’s responsibility to determine whether the subfloor is suitable for installation of vinyl tile or plank. If site conditions are not appropriate do not install the floor; inform general contractor and do not proceed until remedial actions to correct improper subfloor conditions have taken place. For all installations where subfloor is below or on grade, determine if there is a physical vapor retarder in place that will prevent the continuing release of moisture through concrete.

These tests should be done to ensure a proper installation.

– Moisture or Relative Humidity Testing

- Residential Space – Requirement Minimum: Moisture testing according to the most recent ASTM F1869 “Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride”. Results must not exceed (3 lbs/1000 sq. ft / 24 hours).
- Commercial Space – Requirement Minimum: ASTM F 2170-02 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes. Internal Relative Humidity levels must not exceed 80%.

– PH Test: The slab must have a PH of 5–9.

- Do not use vinegar or other acid-based solutions to correct this, it may have adverse and long-term effects on the adhesive bond system or discolor the flooring. Consult a qualified specialist.

– 72 hour bond test must be performed.

Manufacturer, distributor or dealer is not responsible for any floor installation failures associated with unaddressed site conditions such as, but not exclusively: vapor transmission, moisture permeation, contaminated concrete or damaged subfloors.

CONSIDERATIONS FOR CONCRETE	SPECIFICATION	IF OUT OF SPEC, LOOK FOR THESE PROBLEMS.	POSSIBLE REMEDIES IF OUT OF SPEC.
Moisture Content	Commercial applications: RH in situ probes – not to exceed 80% in sleeve Residential or Commercial applications: Calcium Chloride 3 lbs/1000 sq. ft / 24 hours	Slab too new – hasn’t cured Physical Moisture Vapor Retarder is compromised or missing. Is water table high creating hydrostatic pressure?	Allow time for slab to cure. Approx. 6 months or use Bone Dry. Install/repair vapor retarder; reroute water flow away from building; if severe, consult a qualified specialist. New Slabs: Apac V-Block seals floor up to 8lbs – can reduce floors to 3 lbs. Cured Slabs use EnCapSeal.
Alkalinity	PH between 5 – 9	Slab too new – hasn’t cured. Ongoing water source can carry alkali into the slab.	New slab needs time to cure. Wash slab with clean water – allow to dry. Remove sources of hydrostatic pressure and ongoing moisture penetration. Apply EnCapSeal
Compressive Strength Miniums	3500 psi or more	Refer back to architect and contractor.	Refer back to architect and contractor.
Hydrostatic Pressure	None should exist	Physical Moisture Vapor Retarder is compromised or missing. Refer back to architect and contractor.	Install/repair vapor retarder; reroute water flow away from building; if severe, consult a qualified specialist.
CONSIDERATIONS FOR LIGHTWEIGHT CONCRETE (GYPCRETE)	SPECIFICATION	IF OUT OF SPEC, LOOK FOR THESE PROBLEMS.	POSSIBLE REMEDIES IF OUT OF SPEC.
Any application	Over gypsum-based concrete	Must use Apac V-Block as sealer	Use Apac 31 Primer then Apac 44 Self Leveler
Moisture Content	Above grade, dry, cured	Sources of moisture	Remove source of moisture
Compressive Strength Miniums	2500 psi or more	Crumbling, cracking, dust	Install wood underlayment or physical barrier.
CONSIDERATIONS FOR EXPANSION ZONES, PREBUILT AND DESIGNED INTO STRUCTURE	SPECIFICATION	IF OUT OF SPEC, LOOK FOR THESE PROBLEMS.	POSSIBLE REMEDIES IF OUT OF SPEC.
Expansion Zones/Strips or active concrete joints	Install perpendicular to joints okay if specified by architect	Flooring not flat Flooring “dips” on one side May cause tripping hazard	Change layout direction of flooring. Install expansion zone, remove flooring from area. Final determination of suitability rests with architect or specifier.
CONSIDERATIONS FOR PATCHING AND LEVELING COMPOUNDS	SPECIFICATION	IF OUT OF SPEC, LOOK FOR THESE PROBLEMS.	POSSIBLE REMEDIES IF OUT OF SPEC.
Compressive Strength	4000 psi/28 days	Too much water added when mixed.	Remove and replace
Suspected Asbestos	None	Do not install	Stop, refer to RFCI: Recommended Work Practices for Removal of Resilient Floor Coverings
Gypsum Based	Do not use any gypsum based materials	Mold and Mildew growth	Follow mold and mildew guidelines – EPA Remove sources of moisture
Cracks, Voids, Depressions	Floor Flat, Sound Fill cracks, voids, depressions except expansion zones	Flooring not smooth. Determine if uneven floor is structural or topical.	Fill with Apac 50 and when necessary, Apac 51 admix.

OTHER SUBFLOOR CONDITIONS:

– Existing Resilient Floors

- Ok to install over one layer of existing resilient flooring provided that it is adequately adhered to the subfloor and that it is solid and has no deflection. Use Apac 50 and Apac 51 as an embossing leveler to fill depressions, cracks and voids. Fill until all areas are smooth. If needed, use Apac V-Block applied with a 3/8” nap roller for additional “grab and hold” performance.

– Ceramic or Quarry Tile, Terrazzo and Marble

- Okay to install over providing that tile is well bonded to structurally sound subfloor. Must be clean, dry and flat without voids, cracks or bumps. Fill with Apac 50 and Apac 51 admix if necessary.
- If tile is smooth or shiny, entire floor may need to be covered with Apac 50 and 51 then if needed, use Apac V-Block applied with a 3/8” nap roller for additional “grab and hold” performance.

– Polymeric Poured Floors

- Okay to install over providing floor is well bonded to structurally sound subfloor. Must be clean, dry, flat and free of bumps, cracks or depressions. Use Apac 50 and Apac 51 admix to fill voids. Use Apac V-Block applied with a 3/8” nap roller for additional “grab and hold” performance.

– Residual Cut Back Adhesive

- Must be completely covered with 1/8” cement-based underlayment such as Apac 50 and Apac 51 admix or rolled with Apac EnCapSeal to avoid unsightly staining of new flooring. All ridges removed, smooth and flat. Must use Apac V-Block applied with a 3/8” nap roller prior to installing floor.

– Radiant Heated Subfloors

- Surface temperature of subfloor must not exceed 85°F (32°C). Turn off heating system 24 hours in advance of installation. Planks and tiles located at the starter row, perimeter, under heavy appliances and at entrance areas should be glued down using Apac 584. Do not use double-sided tape. Following installation, turn on heat in stages of 5° increments over a 24 hour period.

- Newly installed concrete floors with radiant heat shall have been operational for a period in which is sufficient to dry and cure slab so that accurate relative humidity, moisture and ph tests may be performed.

- Manufacturer of radiant heat must warrant that their system is compatible with luxury vinyl tile.

- It is recommended that you contact our technical services department for further information about your specific project.

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