

Get To Know Rigid Core Click

- Rigid Core Click is intended for interior use only and is suitable for above-grade, on-grade and below-grade applications. However, Rigid Core Click should not be installed in locations where the substrate beneath the building structure is exposed to the elements.
- Rigid Core Click is a floating floor and should be allowed to expand and contract freely. It must not be nailed, or fastened through the flooring and into the subfloor. Fill expansion spaces around potentially wet areas with premium waterproof 100% silicone caulk. Always remove standing water, pet urine and other liquids promptly.
- Direct sunlight may cause Rigid Core Click to fade or the joints to separate. Protect Rigid Core Click from direct sunlight using window treatments or UV tinting on windows. Rigid Core Click is not recommended for use in sunrooms.
- Rigid Core Click is a waterproof floating floor, but it should not be used to seal an existing floor from moisture. Rigid Core Click cannot inhibit the growth of mold or prevent structural problems associated with, or caused by flooding, excessive moisture, alkalis in the subfloor, or conditions arising from hydrostatic pressure. Regardless of location, always remove standing water, urine and other liquids promptly. Moisture issues should be addressed and corrected at the job site prior to installation.

PRE-INSTALLATION ESSENTIALS

Your job will be smooth, fast and easy when you follow the essentials every time you install Rigid Core Click.

JOB SITE CONDITIONS

Exterior

Damage caused by water and high humidity should be addressed prior to installing Rigid Core Click.

- Examine the driveway and landscaping surrounding the building. Be sure that they slope and direct water away from the foundation.
- Inspect gutters, down spouts and drains for blockage. Remove clogs caused by leaves, dirt and debris, allowing runoff to flow freely away from the foundation.
- Check crawl spaces for cross-ventilation air vents equaling at least 1.5% per 9.3 Sq. M. of floor space. Crawl spaces should measure a minimum of 45.72cm high and should be insulated according to the latest building code requirements. The ground should be covered with a minimum 6-mil vapor barrier.

Three-Season Rooms (Residential Applications Only)

Rigid Core Click is permitted in residential "three-season rooms" when installed in strict compliance with the instructions listed below.

- Maximum room size of 46.5 Sq. M.
- Room must be completely enclosed (roof, floor, walls and windows) and not exposed to any outside elements.
- Installation must occur at room temperature between 10°C and 38°C.
- Allow 10mm expansion space around perimeter and all fixed objects

Interior

Moisture issues should be addressed and corrected at the job site prior to installation.

- Examine the installation site for leaky plumbing, including leaks from water heaters, dishwashers, washing machines, or any other water-bearing fixtures or pipes.
- Inspect substrates for level. They must be sturdy, sound, and flat within 0.48cm in a 3m radius without any abrupt height differences. The substrate should not slope more than 2.54cm per 1.828m in any direction.
- All concrete substrates must be tested for relative humidity, moisture and pH before installing Rigid Core Click. Test results should not exceed 85% relative humidity (RH). The Calcium Chloride Test for moisture should be no more than 8lbs per 93 Sq. M. in 24 hours MVER, (Moisture Vapor Emission Rating) and pH tests for alkalinity levels should register between 7 and 9.
- All wood floors must be checked for moisture. Obvious signs of moisture issues include warping, peaking, degradation of the integrity of the substrate, rusted fasteners, and rusted floor registers. Even if obvious signs are not present, the material should be tested using a wood moisture meter; moisture levels should not exceed 14%.

ATTENTION: Mold and mildew grow only in the presence of moisture. Moisture issues should be addressed and corrected at the job site prior to installation. Please visit www.epa.gov/mold for information about safely preventing and removing mold, mildew and other biological pollutants.

IDENTIFY YOUR SUBSTRATE

Approved Substrates

Rigid Core Click is suitable for use over a wide variety of substrates.

Concrete

Rigid Core Click is waterproof, but moisture issues should be corrected at the jobsite before installation begins to prevent serious damage to the subfloor and surrounding structure, and to discourage the growth of mold and mildew. Concrete substrates should be prepared in accordance to the most current version of ASTM F710 (Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring). Concrete substrates

must be sturdy, sound, and flat within 0.48cm in a 3m radius without any abrupt height differences. The substrate should not slope more than 2.54cm per 1.828m in any direction. Moisture and alkalinity tests should be performed on all concrete substrates regardless of grade level or age of slab. Perform either ASTM F2170 In-Situ Relative Humidity (RH) test or ASTM F1869 Calcium Chloride Moisture Test (MVER: Moisture Vapor Emission Rating). Perform pH test per ASTM F710 to determine alkalinity of the slab. RH Test results should not exceed 85% relative humidity. The Calcium Chloride Test for moisture should measure no more than 8lbs per 93 Sq. M. in 24 hours MVER, and pH tests for alkalinity levels should register between 7 and 9. Electronic meter testing is not considered a replacement for a Calcium Chloride Test or Relative Humidity Test. All moisture tests should be conducted prior to installation to ensure that moisture is at recommended levels. Follow current ASTM F710 guidelines. Metroflor Corp. highly recommends that substrate moisture and pH testing be conducted by an ICRI (International Concrete Repair Institute) tier 2 certified technician.

Radiant Heat

Radiant heating systems must be cast 1.27cm below the surface of the concrete slab, and should be operating at least 2 weeks before installing Rigid Core Click. Set the temperature of the radiant heating system to 20°C 48 hours before, during, and 72 hours after installation. The temperature of the radiant heat floor may be increased gradually 72 hours after installation, but the surface temperature of the subfloor should never exceed 29.4°C. Contact the manufacturer of your radiant heating system for further recommendations.

Plywood, OSB, Particleboard & Chipboard

Wood substrates must be A.P.A. approved with a minimum grade of "BB" or "CC". They must be sturdy, sound, and flat within 0.48cm in a 3m radius without any abrupt height differences. The substrate should not slope more than 2.54cm per 1.828m in any direction. Metroflor Corp. recommends performing moisture tests prior to installation to prevent serious damage to the subfloor and surrounding structure, and to discourage the growth of mold and mildew. Moisture readings should never exceed 14% for plywood, OSB, particleboard and chipboard substrates. If moisture readings exceed 14%, it is advisable to correct moisture issues at the jobsite before installing Rigid Core Click.

Tile, Terrazzo, Asbestos Tile, Resilient Tile, Non-Cushion Sheet Vinyl, and Metal

Existing floors must be firmly attached to the structural floor. They must be sturdy, sound, and flat within 0.48cm in a 3m radius without any abrupt height differences. The substrate should not slope more than 2.54cm per 1.828m in any direction. When installing Rigid Core Click in commercial settings, fill in grout lines on ceramic tiles, terrazzo, quarry tiles and similar floors with cementitious leveling and patching compound.

NON-APPROVED SUBSTRATES

Remove the floors noted below and remove old adhesive before installing Rigid Core Click. Encapsulate adhesive and cutback residue.

- Carpeting/Carpet Pad
- Cushion Back Sheet Vinyl
- Engineered Hardwood Over Concrete
- Floating Floors
- Hardwood Over Concrete
- Parquet Over Concrete
- Sleeper Substrates

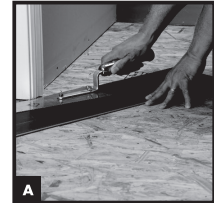
NOTE: Various Federal, State and Local government agencies have established regulations governing the removal of in-place asbestos-containing material. If you contemplate the removal of a resilient floor covering structure that contains (or is presumed to contain) asbestos, you must review and comply with all applicable regulations. Do not sand, dry sweep, dry scrape, drill, saw, bead blast, or mechanically chip or pulverize existing resilient flooring, backing, lining felt, asphalt "cut-back" 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 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. The RFCI's Recommended Work Practices for Removal of Resilient Floor Covering are a defined set of instructions addressed to the task of removing all resilient floor covering structures. For further information, contact the Resilient Floor Covering Institute website at www.rfci.com

JOB SITE PREPARATION

Careful preparation is the key to outstanding results. All Trades Must Finish Before Installing Rigid Core Click.

- **Install Permanent Exterior Doors and Windows**
- **Turn on HVAC at Least One Week Prior to Installation** Room temperature should be maintained between 10°C-37.8°C at least 48 hours prior to installation.
- **Allow all other Trades to Finish**
- **Perform Recommended Moisture and pH Tests** See the "Identify Your Substrate" section of this manual (pages 3-4) for further information about suggested tests.
- **Level Uneven Surfaces** Fill large cracks and voids with cementitious leveling and patching compound. Substrates must be sturdy, sound, and flat within 0.48cm in a 3m radius without any abrupt height differences. The substrate should not slope more than 2.54cm per 1.828m in any direction.
- **Remove Floor Moldings** Quarter round and wall base should be carefully removed before installation begins. It will be used to conceal the expansion space once the job is finished.

- **Fill Grout Lines** Refer to chart at right.
- **Remove Non-approved Substrates**
- **Remove or Encapsulate Old Adhesive** Old adhesives must be scraped up and left so that no ridges or puddles are evident and all that remains is a thin, smooth film. Then, encapsulate residue.
- **Undercut Wood Door Casings** Wood door casings should be undercut so that Rigid Core Click will fit neatly beneath them, concealing the expansion space. Position the plank on the substrate against the door casing. Lay the handsaw flat against the scrap plank and carefully cut the door casing to the height of the plank (**See Image A**).
- **Cut Around Metal Door Casings** Do not cut metal door casings. Cut Rigid Core Click around them, leaving the appropriate expansion space. After installation, fill the space with a coordinating premium waterproof 100% silicone sealant.
- **Clean Up the Job Site** Remove all debris, sweep and vacuum the subfloor. Smooth, non-porous floors should be damp-mopped after vacuuming and allowed to dry thoroughly before installing Rigid Core Click. All dust must be removed prior to installation.



Installing Cabinets On Top Of Rigid Core Click (Residential Only)

In residential applications only, Rigid Core Click may be installed and cabinets set on top so long as the application complies with the instructions listed below.

- In addition to the flatness tolerance as listed on page 6 there is ZERO tolerance for abrupt height variations. All abrupt height variations must be addressed by sanding or grinding and leveling the floor perfectly flat.
- Cabinets or similar fixtures cannot be secured or fixed (via screws, nails, etc.) to the substrate through the Rigid Core Click flooring.
- Adequate expansion space 0.64cm must be left around pipes and other objects "within" cabinets or similar fixtures.

KEY INSTALLATION CONSIDERATIONS

	RESIDENTIAL	COMMERCIAL
Subfloor Flatness Tolerances	0.48cm in a 3m radius without any abrupt height differences. Slope no more than 2.54cm in 1.8m	0.48cm in a 3m radius without any abrupt height differences. Slope no more than 2.54cm in 1.8m
Vapor Barrier (6 mil polyfilm)	Not Required	Not Required
Is Underlayment (Pad) Required	No – It includes an integral pre-attached pad	No – It includes an integral pre-attached pad
Acclimation Requirements	Not Required*	48 hours
Transition Requirements (T-Mold) for Large Spaces	Not Required	Required in rooms greater than 30.5m in any direction
Transition Requirements (T-Mold) Doorways/Thresholds	Not Required	Required
Installation Over Existing Ceramic Tile Floor	Filling Grout Lines Not Required (Follow Subfloor Flatness Tolerances) Required for Glue Down applications	Filling Grout Lines Required
Glue Down Installation	Not Required / see page Page 4, Section Glue Down Option	Not Required/Not Recommended
Subfloor RH/MVER Recommendations	85% RH/8 lbs MVER	85% RH/8 lbs MVER
Radiant Heat	Approved – Substrate surface temperature not to exceed 29.4°C	Approved – Substrate surface temperature not to exceed 29.4°C
3-Season/Non-Climate Controlled Environments	Not to Exceed 46.5 Sq. M.	Not Recommended
Perimeter Expansion Requirements	0.6cm around perimeter walls & heavy fixed objects such as cabinetry	1cm around perimeter walls & heavy fixed objects such as cabinetry**
Optimal Interior Environmental Conditions	10°C-37.8°C / 40% – 60% RH 18.3°C-29.4°C during Glue Down installation	10°C-37.8°C / 40% – 60% RH
Definition of "Waterproof"	Structural integrity of flooring will not degrade due to contact with moisture/water***	Structural integrity of flooring will not degrade due to contact with moisture/water***

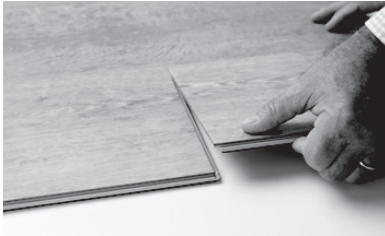
Drop Locking System Installation:

Spacers set: Create the required expansion space between the perimeter planks and the wall using spacers. Place spacers equaling the thickness for required expansion between plank and wall on short and long ends of plank. Do not remove them until the installation is complete.

1 Start by engaging the plank on the long side (angle-system)



2 Slide the plank until it reaches the short side of the next plank and drop gently



3 Press with your thumb on both ends of the short side



4 Continue pressing until you hear the "click" sound of the one piece drop-lock system



5 Hit gently with a soft-faced hammer on both sides of the short end



6 Planks are now fully locked



GENERAL CARE & MAINTENANCE

ROUTINE CARE & MAINTENANCE

- Sweep, dust mop or vacuum daily. Do not use vacuums with any type of beater bar assembly.
- Lightly damp mop with Prevail Neutral Cleaner. Remove excess soil by carefully scrubbing with a soft nylon brush or magic eraser sponge and Prevail Neutral Cleaner.
- Remove scuffs using Prevail Neutral Cleaner and a soft nylon brush or magic eraser sponge.
- Heavily soiled floors may require an occasional deep cleaning using Prevail Neutral Cleaner and a low-speed buffer not exceeding 175 RPM. Fit the buffer with a red or white scrubbing pad and work the solution over the floor. Remove the dirty residue by damp mopping with clear water.
- Remove standing water, pet urine and other liquids promptly.

PREVENTIVE CARE

- Use non-staining walk-off mats at all outside entrances.
- Use flat glides at least 5cm in diameter under furniture legs to prevent indentations and scratches.
- Use broad surface non-staining casters at least 5cm in diameter on rolling furniture.
- Do not use vinegar, polishes, waxes, oil soaps, abrasive cleaners, harsh detergents, "mop and shine" products or solvents.
- Do not expose to direct sunlight for prolonged periods.
- Do not use steam cleaners.
- Do not flood floor or subject to standing liquids, including pet urine.