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"Northern Woods" Collection SPC Vinyl Flooring

Installation and Maintenance

Tools required:

- Utility knife
- Tape measure
- Straight
- Edge spaces

Prior to Installation

1. Carefully check flooring materials for any defects. Contact your supplier immediately if any defect are found.
2. Room temperature shall be no less than 60° F (15° C) for 24 hours before, during and after installation.
3. Remove quarter round, baseboard molding, or cove base .
4. Undercut doorway moldings the thickness of the flooring.
5. Cartons must be stored horizontally at all times.
6. Protect carton corners from damage.

Concrete Substrates

SPC vinyl floor may be installed over on grade, above grade, or below grade on concrete subfloors. Concrete floors shall be constructed in accordance with the American Concrete Institute (ACI) 302.1 guide for concrete floor and slab minimum compressive strength of 3500 PSI. Installation of moisture vapor barrier is recommended prior to pouring on or below grade slabs. Moisture vapor transmission shall not exceed 3lbs / 1000 SQ.FT / 24 hours per ASTM-F-1869 (*Anhydrous Calcium Chloride Test*). Moisture may also be tested according to ASTM-F-2170 (*Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in Situ Probes*). When tested according to this method the internal relative humidity shall not exceed 75%. SPC vinyl flooring may be installed over gypsum-based underlayments.

Existing Floor

SPC vinyl floor may be installed over most smooth, single layer hard surface existing floors. Check flooring for any curled areas around the perimeter or at seams and repair if necessary. Use only good quality embossing level to smooth the existing floor.

Existing Floor WARNING

DO NOT sand, dry sweep, dry scrape, drill, saw, bead blast, mechanically chip or pulverize existing resilient flooring, backing, lining felt, or asphaltic "cutback" adhesive. These products may contain asbestos fibers or crystalline silica. Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard. Unless positively certain that the product is a non-asbestos containing materials, you **must** presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content before it is removed.

Substrate Preparation

1. All substrate must be dry, clean, smooth, level and free from all existing adhesive residues and free from movement or deflection.
2. The substrate must be level within 3/16" in 10ft. (4.7mm in 3m)
3. Fill and level all seams, cracks, joints, depressions and other irregularities. Use a latex fortified cementitious patching compound.
4. Sweep and or vacuum substrate to remove all dust and debris.

Getting Started

1. SPC vinyl floor is a floating floor and should not be glued or nailed to the substrate.
2. SPC vinyl floor is intended for indoor use only.
3. Determine in which direction the planks will be installed. To make the room appear larger or if installing in very small rooms or hallways it is preferable to lay the planks parallel to the longest room dimension.
4. **DO NOT** install cabinets on planks.

Getting Started Cont'd

5. Carefully measure the room to determine squareness and also to determine the width of the last row of planks. If the width of the last row of planks is less than 2" (50mm) excluding the tongue the width of the first row of planks will have to be cut accordingly.
6. A minimum 5/16" (8.2mm) expansion space is required around the perimeter of the room and all vertical objects.
7. Inspect all planks for visible defect and damage before and during installation. **DO NOT** install damaged planks. The manufacturer will not accept responsibility for claims on flooring installed with obvious defects. During installation, inspect the groove area and remove any debris that may prevent proper assembly of planks.

Installation

1. Begin laying planks from the left side of the starting wall and work to the right side. The tongue side of the planks shall face the starting wall.
2. Place 5/16" (8.2mm) spacers between the short and long side of the planks and the wall. Always position one spacer between the wall and where the planks join.
3. The end joints of the planks in the first row are assembled by inserting the tongue side into the groove side of the previous plank at a low angle. Gradually lower the plank down until the end joint closes. Ensuring that the planks are perfectly aligned, install the remaining full planks in the first row.
4. The last plank in the first row will need to be cut. Measure the distance between the wall and the surface of the last full plank. Subtract 5/16" (8.2mm) from this measurement to allow for the spacer. If this measurement is less than 8" (20.3mm). The length of first plank in the row must be cut. This will allow for a longer plank at the end of the row. The first and last plank in each row must be at least 8" (20.3mm) in length. Planks are cut using a sharp utility knife and straight edge/carpenters square. Score the surface of the plank with a utility knife and then snap the plank at the score line.
5. The remaining piece cut off from the last plank in the first row may serve as the first plank in the second row provided it is at least 8" (20.3mm) long. Always stagger end joints from row to row a minimum of 8" (20.3mm)
6. Install the long side of the first plank of the second row. Remember to place a 5/16" (8.2mm) spacer between the wall and the short side of the plank. Insert the tongue side into the groove side of the previous row at a low angle and lower to the substrate.
7. Angle end joint into first pieces of second row only allowing 1/8" from long side of previous row. Angle both pieces from second row and gently slide forward until locked into first row. Continue installing remaining planks in second row. It is important to make sure that the first two rows are straight and square as they can affect the entire installation.
8. Continue working from left to right, row by row. Be sure to maintain a 5/16" space around all walls and vertical objects and maintain a random appearance. Offset end joints a minimum of 8" (20.3mm).
9. The locking system is recognized as 3L Triple Lock (one piece drop-lock system), which you only have to drop down the short side click. Lock the length strongly first and slide the length lock plank to the end of short side, drop down the plank and slightly knock it by a plastic hammer or some other workable tools to make sure they're totally locked together and seamless.

Finishing the Installation

1. After all planks have been installed, remove spacers from perimeter of room.
2. Install transition moldings. **DO NOT** fasten any moldings to the flooring.
3. Install quarter round or baseboard molding. Molding must be surfaced size to cover the 5/16" (8.2mm) space. **DO NOT** fasten moldings to the flooring. Fasten into the wall.
4. Use plywood to cover the top of the flooring when moving heavy furniture or appliances into position.
5. Use proper floor protectors under the legs of furniture.
6. Post installation temperature must be maintained between 65° F and 100° F. Relative humidity must be maintained between 40% and 70%.

Maintenance

Please follow the recommendations in this guide to retain the fresh look and protect the finish. After installing the floor we recommend a first cleaning to remove loose dirt or debris that may have been introduced during the installation process. For additional protection of the floor surfaces from abrasive dirt and debris you may use a dehumidifier to limit the amount of moisture. Please check any new cleaning agents on a small test patch of the floor in an inconspicuous area and avoid using harsh cleaners or ammonia based cleaning products.

1. First sweep and vacuum the floor surface to ensure removal of all loose dust, dirt and debris. Use a mop to scrub the flooring surface with warm, clean water as needed. Then use a dry mop or wet vacuum to remove the water and allow to dry.
2. **DO NOT** allow pets with unclipped nails to damage your vinyl flooring. It may result in severe scratching to the surfaces. The same is true for any high-heeled shoes that do not have proper lips on the heels.
3. Avoid exposure to direct sunlight for prolonged periods of time. During peak sunlight hours use drapes or blinds to minimize the direct sunlight on the vinyl flooring. Most types of flooring will be affected by continuous strong sunlight. In addition, excessive temperatures are not good for resilient floors. Some natural ventilation or intermittent air conditioning in vacant homes should be considered.

Maintenance Cont'd

Long term continuous inside temperature over 95 F combined with strong direct sunlight will damage the flooring and cause the installation to fail.

4. Do not wax your SPC flooring. The surface of your floor is very dense and non-porous which prevents wax from penetrating and thus builds up a bed for yellowing and dirt collection. The same non-porous feature also provides all the protection against wear and staining that you will need.
6. If your floor has been exposed to excessive amounts of water due to flooring do not panic. SPC vinyl flooring is waterproof. Simply remove the water as quickly as possible.



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VINYL FLOOR COVERING / PLANKS
REVÊTEMENT DE SOL DE VINYL / LATTES



Northern Woods incorporates the '3L Triple Lock (one piece drop-lock system)' that allows for an easier floating installation. Northern Woods has a double UV enhanced polyurethane coating, offers superior dimensional stability, acoustical properties and is FloorScore certified.

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NORTHERN WOODS

DESCRIPTION	
 Total Thickness / Épaisseur	0.2165" (5.5 mm)
 Sizes / Dimensions	7" x 48" (182 x 1240 mm)
 Wear Layer / Couche d'usure	0.3 mm = 12 mil
Surface Finish / Protection	Double UV - Enhanced Polyurethane Coating Double couche de polyuréthane résistante aux UV
Care / Entretien	No harsh cleaners or ammonia based cleaners. No wax. Double couche de polyuréthane résistante aux UV
Core / Masse	4 mm PVC resin and limestone / 4 mm résine de PVC et calcaire
Density / Densité	1980 kg / 33+ 5%
Bevel / Biseau	Micro bevelled edge / Coin micro-biseauté
Attached Backing / Endos	1.5 mm embossed EVA / Relief EVA 1.5mm
Embossing / Relief	Random EIR / EIR aléatoire
Installation / Installation	Floating / Flottant
Limited Warranty / Garantie limitée	25 year residential, 10 year commercial Résidentiel: 25 ans / commercial: 10 ans
PERFORMANCE	
STC - IIC Rating / Niveau de STC - IIC	67 STC - 73 IIC
Lock System / Système de verrouillage	3L Triple Lock (one piece drop-lock system) 3L Triple Lock (système de verrouillage en un morceau)
Under Floor Heating / Température du sous-plancher	Not to exceed 85°F (30°C) / Ne doit pas dépasser 30°C
 Static Load Resistance / Résistance au poinçonnement	ASTM F970 - 1950 PSI
ASTM / ASTM	F1700 Class III Type B
 Chemical + Stain Resistance / Résistance chimique et aux taches	ASTM F925 / NALFA LF01-2011
 Slip Resistance / Résistance au glissement	ASTM D2047 0.39 Dry - 0.9 Wet
 Wheel Castor Resistance / Résistance chaise à roulettes	ISO 4918
 Dimensional Stability / Stabilité dimensionnelle	EN ISO23999:2012
 Flame Spread + Smoke Development / Propagation des flammes et dégagement de fumée	ASTM E648/662
ENVIRONMENTAL	
 Indoor Air Quality / VOC emission Qualité de l'air intérieur, émissions VOC	Phthalate Free / Sans Phthalate Compliant with FloorScore Requirements / Répond aux exigences FloorScore
 Recycling / Recyclage	100% Recyclable

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