

ROXIPAN ™

L I N E B E T O N

ROXI FLOOR™

Installation Procedures

Preparation and general procedures

ROXIFLOOR™ pre-finished engineered concrete floors can be installed directly over most existing floor coverings, except for carpet.

It is very important to acclimate the ROXIFLOOR™ to the room temperature before installation. Allow air to circulate through panels. If panels are covered with a plastic wrap, cut plastic at both ends to allow proper air circulation. Allow panels to lay flat for 48 to 72 hours prior to installation (or longer in extreme climates).

Air conditioning and heating systems should be in place and operating 14 days before installation, keeping room temperature maintained within a range of 60 to 80° F year round.

Relative humidity in the room/building should be maintained between 30 to 50% year round. The proper use of a humidifier or de-humidifier is recommended. Failure to maintain proper room temperature and humidity level can allow excessive drying of the floor, resulting in shrinkage of the support and causing surface checking.

ROXIFLOOR™ panels can be installed using any method over wood, concrete and other approved subfloors. Above grade, on grade or below grade.

The visual differences from board to board might be pronounced. It is recommended working from several cartons alternatively. Select the most appealing blend of colors for best overall appearance.

Always allow a minimum of 3/8" expansion space between walls and flooring edge.

1. Pre-installation inspection

It is the responsibility of the installer/owner to verify that the flooring is the correct material and to carefully inspect each board for visible defects before installation. Hold out any pieces that may not be acceptable once installed. Boards with visible defects will be replaced at no cost.

If the defective board has been installed, no cost of labor will be paid for repair or replacement. Please refer to installer/owner responsibility on page 4 on this booklet.

ROXIPAN™ maintains the highest manufacturing standards, but REMEMBER: concrete is made with natural products with variation in color. We do not warrant against these natural variations from panel to panel or from store sample to the actual floor. If you are not satisfied with the flooring prior to installation, DO NOT INSTALL and contact ROXIPAN US.

Based on accepted standards within the industry, a defect/irregular tolerance up to 5% is allowed. When ordering floor, a MINIMUM of 5% should be added to the actual square footage needed, to allow for cutting and grading.

2. Sub-floor preparation

2.1 CONCRETE SUB-FLOOR:

Sub-floor must be structurally sound, dry, and clean. Be sure any new concrete is completely cured for at least 50-60 days (about 8 weeks). Ensure the concrete has minimum of 3000 psi compression. Over a light weight concrete (less than 3000 psi) please use a floating installation method.

Sub-floor should be flat to 3/16" per 10 radius. If necessary, hills should be sanded down and valleys should be filled with a recommended underlayment patch.

Do not sand sub-surface such as vinyl or synthetic tiles as they may contain asbestos.

Before installing over concrete or concrete covered with existing ceramics, marble, stone, and vinyl tile, or linoleum, test floor for excessive moisture. Use of a moisture meter is recommended.

A reading of over 3 lbs/1 000 sqft/24 hours by Calcium Chloride test requires the application of a vapor retarder. Another method to test for excessive moisture is to cut 3 x 3" squares of polyurethane plastic and spread those around different areas of the floor for more accurate evaluation. Tape all edges down, firmly sealing them directly to the floor. Leave down for 24 to 48 hours. If moisture forms under the plastic or if the cement darkens, have subfloor tested for excessive moisture level before installation.

2.2 WOOD SUB-FLOOR:

In most areas, a dry wood sub-floor that is ready to work on has a moisture content (MC) of 12% or less and the plank should be within 2% of the sub-floor moisture content (MC). To prepare subfloor for installation, re-nail any loose areas to prevent squeaking. Sand or plane high spots, and fill low areas. The sub-floor should be flat and should not vary more than in a 10' radius. Check the variance by using the edge of a ROXIFLOOR™ panel to find high or low spots.

Ensure that basements and crawl spaces are dry. Use a 6 to 8 mil polyethylene sheet over the entire crawl space earth.

2.3 OVER RADIANT HEATED FLOOR:

System must be fully operating at normal temperature for a minimum of 21 days prior to floor installation to dry out residual moisture.

The heating system must then be turned off 24 hours prior to installation and must remain off for 24 hours after installation so that adhesive does not cure excessively fast.

24 hours after installation is completed, systems temperature can be gradually raised again (over 7 days period) up to the desired level. The MAXIMUM allowable sub-surface temperature over radiant heated floor is 85°F.

If the radiant heat system has a concrete subfloor, a 6 mil or better vapor retarder should be installed (this may be part of the flooring underlayment, e.g. a 2-in-1). A foam or resilient underlayment must be installed prior to installation of ROXIFLOOR™.

3. Installation guide

3.1 Cutting ROXIPAN panels

ROXIPAN™ panels can be cut with a Hardy Baker diamond blade with some opening (see enclosed picture). Cut the panel concrete face up, starting to cut the concrete first and then the wood. Do NOT use a table saw.



3.2 Installation guide: glue down

ROXIPAN™ recommends urethane adhesive for the installation of our products. Carefully read and follow the instructions provided by the adhesive manufacturers for the use and application of their product. Check with your flooring retailer for other adhesives and sealers that are compatible with engineered floors.

ROXIPAN recommends to use TARBICOL® to seal the Tongue and Groove in wet areas like kitchen and bathroom. Please refer to the application method in the accessories section of the ROXIPAN website.

Roll every 2 to 3 hours and on completion with a 100-Lb. to 150-Lb. roller to ensure all planks are flat and in contact with the adhesive. Please remove blue installers tape within 3 hours.

3.3 Installation guide: floating

When choosing the floating method, the subfloor must be flat to within per 10' radius. ROXIPAN™ will not honor warranty claims for products damaged due to plank movement or flexing due to an uneven floor. (See Subfloor Preparations pages 2-3)

Once subfloor preparation is complete, install moisture barrier over concrete subfloor (this may be part of the cushioning underlayment. e.g. 2-in-1 product). Lap up the wall 4". The plastic can be trimmed at the walls after molding is installed. Use adhesive tape to tape the seams. Overlap the seams 8".

Cover entire subfloor with a foam or resilient underlayment (follow underlayment manufacturer's instructions for installation).

Apply tongue and groove adhesives or TARBICOL® for wet areas to end and side grooves.

Allow finished floor to be free of traffic for a minimum of 8 hours and before spacing wedges are removed.

3.4 Installation guide: nail down

To blend the visual differences from board to board, it is recommended working from several cartons alternatively. Blind nail side of the plank through the tongue (use 1" length nails with a 3/4" ply sub-floor) with the nail, slightly inclined and the head driven flush. Nails should be spaced 4" to 5" apart and within 1" to 2" from end joints.

Nailed-down products are not warranted against squeaking or popping sounds.

4. Finish with the BETON HARDWAXOIL

Clean, sweep and vacuum installed flooring before applying the BETON HARDWAX concrete oil (see instructions in the maintenance recommendations for more details).

Inspect the completed floor for any scratches, nicks and minor gaps. Use ROXIMENT touch up kit, or Color dye as needed.

5. Installer/owner responsibility

The installer assumes responsibility for final inspection of product quality. This inspection of all flooring should be done BEFORE installation. Carefully examine flooring for color, factory finish, manufacturing, and quality before installing it. The installer must use reasonable selectivity and hold out or cut off pieces with defects. If material is not acceptable, do not install it. Contact ROXIPAN US immediately.

Prior to installation, the installer must determine that the job-site environment and the subfloors involved meet all applicable standards and recommendations of the construction and materials industries. These instructions recommend that the subfloor be dry, firm and flat. The manufacturer declines any responsibility for job failure resulting from or associated with sub-surface or job-site environmental deficiencies.

Questions or concerns?



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