

Particleboard Underlayment - Installation Instructions

BASIC USES

Roseburg particleboard underlayment is used under carpeting or other floor covering material in residential or commercial two-layer floor construction. It is also used for non-critical applications where strength, smoothness and edge quality are not significant requirements.

LIMITATIONS

Roseburg particleboard underlayment is not intended for use in exterior applications or in damp locations.

MATERIALS AND FABRICATION

The panel surface is smooth, tight, and uniform, with excellent laminating, fastener holding and gluing properties, suitable for direct application of resilient flooring or carpeting. The panel structure permits staples and nails to seat easily and allows for precise sawing and drilling.

BUILDING CODE

This product should be installed in accordance with all applicable building codes.

PREPARATION

Before installing or processing, allow panels to equalize to site moisture and temperature conditions. If the underlayment has been exposed to high humidity levels prior to application, sep-arate panels with dry spacers so that air can circulate and use furnace heat to dry. If subjected to high humidity conditions after application, use furnace heat to dry before applying floor covering. Do not install before concrete, plaster, and lumber are dried to approximate conditions that will be found in the structure during occupancy.

STORAGE & HANDLING

- ▶ Select a dry, clean, well-ventilated area for storage.
- ▶ Avoid temperature and moisture extremes.
- ▶ Keep units off the floor.
- ▶ Limit the stacking height to four or five units high.
- ▶ Separate units with clean dry spacers of uniform thickness, aligned carefully.
- ▶ Use a minimum of four spacers for to 8' long panels.
- ▶ Avoid edge damage by careful forklift handling.
- ▶ Before processing, allow underlayment panels to equalize to surrounding moisture and temperature conditions for a minimum of 72 hours.

APPLICATION RECOMMENDATIONS

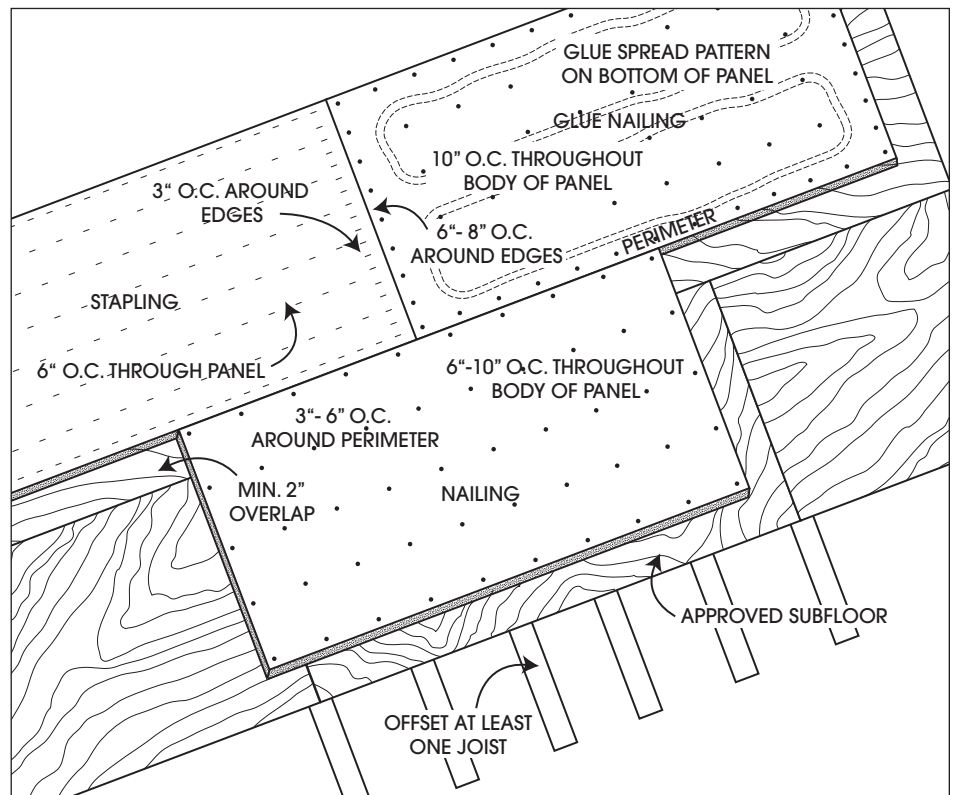
Board underlayment must be applied over appropriate code-approved subfloors. The subfloor must be of wood construction, dry, level, securely nailed, and free of all dust, dirt, and debris. Crawl space in basementless structures should be at least 18" from the bottom of the floor joists.

When Roseburg particleboard underlayment is to be applied with nails or staples, panel subfloors must be at least 5/8" thick with a minimum 32/16" span rating. When Roseburg particleboard underlayment is to be glue nailed, panel subfloors must be at least 15/32" thick with a minimum 32/16" span rating.

Plywood subfloor face grain should be perpendicular to joist system.

Lumber subfloors must be at least 1" nominal thickness and not over 8" wide (i.e., 1"x8"). A vapor barrier with a maximum rating of 1.0 per M should be used over board subfloors (except when underlayment is glue nailed) and as a ground cover in all basementless crawl spaces.

Areas over furnaces should be insulated and well ventilated. Hot air ducts should be insulated to prevent localized drying and shrinkage of floor components.



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INSTALLATION

Install Roseburg particleboard underlayment immediately prior to covering with finish floor materials.

Never apply Roseburg particleboard underlayment over concrete or below grade. Start laying panels from a corner of a room. Leave a 3/8" gap between underlayment and walls. Arrange panels so that four panel corners do not meet at one point.

Butt all panel edges and ends to a light contact. **DO NOT FORCE PANELS UP TIGHT.**

Underlayment panels must be installed with certification stamps visible on the top side.

INSTALLING OVER PANEL SUBFLOOR

Offset underlayment panel joints and subfloor panel joints that are perpendicular to the joists by at least 2". Offset underlayment joints from subfloor joints, parallel to the joists by a distance of at least one joist.

INSTALLING OVER BOARD OR DECKING SUBFLOOR

When the subfloor is installed perpendicular to the joists, apply underlayment panels with edges over the joists, and with the ends offset at least 2" from a subfloor joint. Use a minimum particleboard thickness of 3/8".

When the subfloor is installed at an angle to the joists, apply the underlayment panels perpendicular to the joists with end joints parallel to and over a joist. Use a minimum panel thickness of 3/8".

FASTENING

NAILING

Use ring grooved underlayment nails. Start nailing in the center of panel and work toward edges. Drive nails perpendicular to surface and set flush. Drive nails no closer than 1/2" or further than 3/4" from panel edges. Nail each panel completely before starting the next.

For panels thinner than 3/8" use 4d nails spaced 3" on center around the perimeter of the panel and 6" on center each way throughout the body of the panel.

For panels 3/8" to 5/8" use 6d nails spaced 6" on center around the perimeter of the panel and 10" on center each way throughout the body of the panel.

For panels thicker than 5/8" use 8d nails spaced 6" on center around the perimeter of the panel and 10" on center each way throughout the body of the panel.

STAPLING

Galvanized divergent-chisel-point, power-driven staples may be used. They should be a minimum of 1-1/8" long, 16 gauge, and 3/8" crown for 3/8" thick underlayment; 1-3/8" long, 16 gauge, and 3/8" crown for 1/2" and 5/8" underlayment and 1-1/2" long, 16 gauge and 3/8" crown for 3/4" underlayment. Staples should be spaced no more than 3" on center around the perimeter of the panel, 1/2" from the panel edge and 6" on center each way throughout the body of the panel. Countersink staples no more than 1/16".

GLUE-NAILING

Glue-nailing is the recommended method of applying underlayment.

Apply a hard setting casein glue meeting Federal Specifications MMM-A-125D, Type II, or a polyvinyl acetate floor underlayment glue to the subfloor in a pattern providing a 12" wide strip along each underlayment panel end, a 3" wide strip along each panel edge, and a 6" wide strip down the center of the panel parallel to the edges.

Spread the glue with a roller, notched trowel, or brush, and use a sufficient amount. When glue-nailing over board subfloors, use particleboard underlayment at least 1/2" thick. Nailing should be done as described previously. More nails should be used if required to hold the panel in closer contact with the subfloor.

FILLING AND SANDING

Fill surface depressions with hard, quick-setting floor-patching compound. Allow patches to dry thoroughly then sand flush. Panel joints must be perfectly matched to prevent show-through. Scuff sand joints where necessary to obtain flush joints.

RESILIENT FLOOR COVERING

Use 1/16" thick minimum high quality floor covering. Follow manufacturer's recommendation for application and maintenance. Do not flood floors with water. Use damp mop.

ENVIRONMENTAL IMPACT

Roseburg products are manufactured in accordance with the company's policy on protection of the environment, which includes: Using environmental control technology and energy efficient equipment to conserve resources.

Using process by-products to produce energy, thereby conserving nonrenewable energy resources.

WARNINGS

Roseburg underlayment conforms to requirements of ECC 4-11 Standard, HUD 24 CFR Part 3280, ANSI A208.1-2009 & California 93120 Phase 2 Formaldehyde emission limits. This product contains formaldehyde. A Safety Data Sheet (SDS) containing physical and health hazard information is available from your employer or on our website at www.roseburg.com

Drilling, sawing, sanding or machining wood products generates wood dust and other substances known to the State of California to cause cancer. Avoid inhaling dust generated from wood products or use a dust mask or other safeguards for personal protection.



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