

1. PRODUCT NAME

RR-100

2. MANUFACTURER

PROFLEX® Products, Inc.
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3. PRODUCT DESCRIPTION

PROFLEX® RR-100 is an advanced composite sound control underlayment utilizing a combination of 100% recycled products to achieve superior IIC (Impact Insulation Class) and STC (Sound Transmission Class) sound reduction ratings for use under LVT (Luxury Vinyl Tile) and LVP (Luxury Vinyl Plank). The product is also easy to install using a direct bond method, and is compatible with a variety of substrates and adhesives.

Packaging

RR-100, 54 lbs., (1) roll, 2mm x 4' x 50' = 200 sq. ft. /roll.

PROFLEX® RR-100 offers an industry leading sound reduction in a single layer membrane product. RR-100 typically meets or exceeds most community building code, developer, or condominium requirements. RR-100 also installs quickly and its thickness (2 mm / 0.08 in.) minimizes transition issues. In addition to the sound benefits, the product has been engineered and produced in a manner that meets several criteria supporting green / environmental building requirements. Using RR-100 will assist a builder in qualifying for LEED Green Building Rating System.

- MR 4.1 5% Recycled Content of total building materials (post consumer + 1/2 of post industrial)
- MR 4.2 10% Recycled Content of total building materials (post consumer + 1/2 of post industrial)
(RR products are approximately 80% post consumer and 10% post industrial recycled content by weight)
- MR6 Specifying rapidly renewable building materials for 5% of total building materials
(RR products are approximately 10% rapidly renewing content by weight)
- EQ 4.1 Low Emitting Materials, Adhesives, and Sealants (Adhesives Specified meet SCAQMD Rule 1168)

4. TECHNICAL DATA

Physical Properties and Technical Performance

Membrane Composition

A material blend consisting primarily of recycled rubber with naturally renewable granulated cork particles

Membrane Thickness

2mm (0.08in) thick.

Sound Reduction Performance Data

(STC) Sound Transmission Class as tested to ASTM E 492-09 / E 989-06
(IIC) Impact Insulation Class as tested to ASTM E90-09 / E413-10

Floor Ceiling Assembly - Test Specimen	Sound Rating IIC	Sound Rating STC
6mm LVT over 6" Concrete Slab NO CEILING Assembly	51	50
6mm LVT over 6" Concrete Slab with Insulated 5/8" Suspended Gypsum Ceiling	71	61

5. INSTALLATION

Site Conditions The installation site must be acclimated, with the HVAC system in operation. The floor and room temperature, as well as the underlayment, flooring materials and adhesives must be maintained at 65–85° F. The relative humidity also shall be below 60% for 48 hours prior to, during and after the installation.

Surface Preparation of selected substrates:

Concrete shall be in place a minimum of 28 days. Concrete shall be installed in compliance with industry standards and concrete manufacturer's instructions. The surface shall have a smooth finish and be free from voids, sharp protrusions, and loose aggregate. Substrate temperatures should be between 50°F and 75°F. Concrete shall be structurally sound, dry, clean, and free of dirt, oils, grease, loose peeling paint, concrete sealers or curing compounds, cement laitance, and other similar bond inhibiting materials. Rough or uneven surfaces should be made smooth with a Latex Portland cement underlayment to provide a smooth and acceptable finish. Do not level with asphalt based products. Concrete should be tested for moisture vapor transmission by use of a Calcium-Chloride (CaCl) test.

Perimeter Isolation Strip (PIB)

Install PIB vertically around the perimeter of the entire floor including any openings or protrusions such as electrical boxes, heating ducts, cold air returns, columns or pipes in the sub-floor installation. The perimeter isolation strip **MUST** be installed prior to PROFLEX® RR products being installed. Remove the release liner from the self-adhesive backing and place flat against the wall, flush to the floor. After positioning, press the isolation barrier firmly into place at all wall and vertical partitions surrounding the perimeter. Never mechanically fasten the isolation barrier, this will severely diminish the acoustical performance of the entire sound rated floor system. After the finished floor is installed, barrier may be trimmed flush with the surface of the finished floor.

Approved Adhesives

PROFLEX® RCU Adhesive. PS77, PWA 200, PWA 600, PWA 700

** All other adhesives contact technical support for approval*

Installation for glued down LVT and LVP

Cut RR-100 roll to length and position in the space to be covered. Proceed to cover the entire room, making sure the sheets are tightly butted together, without gaps. Open seams and gaps will "telegraph" through most vinyl, so the underlayment must be as smooth and well seamed as possible.

Pull the loose laid material back at least half the length of the cut material and apply an approved adhesive to the substrate. Apply adhesive with appropriate notch trowel to ensure 100% coverage of adhesive transfer to substrate and RR-100. Note: For lightweight concrete prime with PROFLEX® Super Prime (SP1)

Upon completion, roll RR-100 with a roller (75 lbs or less) to insure contact with the adhesive. Allow underlayment to cure for a minimum of 3–4 hours. After 3–4 hours you can then proceed to install the luxury vinyl tile or plank following resilient installation guidelines for a non-porous substrate.

Installation for Floating Resilient Floors

If the underlayment is to be loose laid, the seams should be securely taped and it may also be advisable to bond it to the subfloor at the perimeter, doorways and/or areas that transition into other flooring materials, using either an adhesive or commercial grade double faced tape.

Cut RR-100 to length and position the material in the space to be covered. Proceed to cover the entire room, making sure the sheets are tightly butted together, without gaps. Open seams and gaps will "telegraph" through many resilient flooring products, so the underlayment work must be as smooth and well seamed as possible.

Once the underlayment is installed on the subfloor, care should be exercised to avoid having it move or shift during the installation of the finished flooring. Follow resilient installation instructions for installing the finished flooring product.

If a rigid baseboard or shoe molding detail is required, leave a minimum 1/8" gap between the finished floor and the bottom of the quarter round or baseboard molding. This gap can be filled with a non-hardening, color matching, paintable or clear Acoustical Grade Sealant.

6. AVAILABILITY

PROFLEX® Products are available nationwide.

To locate PROFLEX® products in your area, please contact:

Phone: 877-577-6353

Website: www.proflex.us

7. WARRANTY

PROFLEX® Products, Inc. offers a limited warranty for this product when used in accordance with printed specifications. A copy of the limited warranty can be obtained by calling technical services at 877-577-6353 or visiting www.proflex.us

8. MAINTENANCE

None required, but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

9. TECHNICAL SERVICES

Technical assistance

Information is available by calling the Technical Support



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Toll Free: 877-577-6353

Fax: 863-937-9624

Technical and safety literature: To acquire technical and safety literature, please visit our website www.proflex.us

10. FILING SYSTEM

Division 9