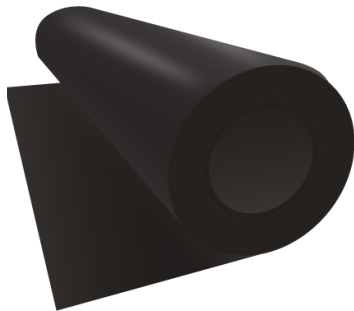




# U-100

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### PRODUCT DESCRIPTION



Frontier U-100 is a technologically advanced 1mm underlayment and acoustical barrier for successful installations of resilient flooring. Frontier U-100 offers superior sound deadening characteristics and is eligible for Frontier lifetime warranty when utilized in conjunction with approved Frontier adhesives in 'double-stick' applications.

Frontier U-100 contains negligible VOC content (measured below quantifiable levels), affording the green community the best sound abatement choice for their eco-friendly projects. Frontier U-100 is an inert product that is Hypoallergenic and mold/mildew/bacteria resistant with no toxic additives CFC/HCFC/PVC/BHT/Pint Bromide/latex or antimicrobials. Frontier U-100 exceeds all standards for indoor air quality including California codes.

### Advantages

- Roll-on or trowel applied for glue down installations
- Anti-crush mechanical properties
- Superior sound performance qualities, scored a 71 IIC, 67 STC, 21 Delta.
- Contains negligible VOC content
- Eligible for Frontier lifetime warranty when utilized in conjunction with approved Frontier adhesives in double-stick applications

### Packaging

U-100, 200 sq. ft. /roll

### Approved for use under

- Luxury Vinyl Tile/Plank
- Carpet Tile
- WPC
- Cork Tile

### Approved Adhesives for installing U-100 over subfloor and resilient floors over U-100 underlayment

- Frontier PS-500

### TECHNICAL DATA

Physical Properties	Method	Performance
Acoustical	ASTM E492-4 & E989-89 ASTM E90-04 & E413-04 ASTM E2179-03	71 IIC 67 STC Delta 21
Thickness	ASTM D3575	0.8mm
Density	Internal	7.8 lbs
Compressive Strength	JIS K6767	37.2 psi
Tensile Strength	JIS K6767	467 md 278 td (psi)
Thermal Stability	JIS K6767	120°C (248°F) x 60 min

### INSTALLATION

#### Glue Down Installation Instructions - Roller or Trowel Applied

1. Cut underlayment to length and lay loosely over the area to be installed.
2. Pull the loose laid material back at least half the length of the roll. Using the recommended trowel, apply approved Frontier adhesive to the subfloor. Allow approved Frontier adhesive to flash for recommended time prior to placing underlayment into adhesive. Upon placing underlayment into the adhesive, roll both ways with a 100 lb roller. Repeat the installation for the other half of the subfloor, insuring all joints are butted together tightly.
3. Allow adhesive to set prior to proceeding to flooring installation. See adhesive product label for additional flashtime information. It is highly recommended to allow at least 18 hours prior to installation of the flooring.

#### Floating Floor Installation Instructions

1. Check for nails
2. Sweep or damp mop
3. Roll out 1 width of membrane
4. Cut roll at the wall
5. Install flooring planks
6. Roll out next width

#### Repeat steps 3 to 6 until floor is completed

**Note:** When installing U-100 in a basement or where a moisture barrier is required, extend the underlayment 1" - 2" up the sides of all walls. Concrete must be dry to the touch, free of visible moisture including darkening of the concrete, standing water and condensation. To ensure the vapor barrier qualities of U-100 are maintained, a vapor barrier tape is required to seal all seams. New concrete should cure for 60-90 days minimum, before installing flooring products. Check for excessive moisture in various areas before installation referring to flooring manufacturer's recommendations. Consult with your flooring specialist for additional instructions.

Never mechanically fasten the isolation barrier with screws, nails or staples as this will severely diminish the acoustical values of the barrier.