

Premium Plus - Flexible Loose Laid Membrane

UZIN RR 185

Uncoupling Sheet Moisture Mitigation Membrane

DESCRIPTION:

UZIN RR 185 loose laid sheet membrane is the ideal choice for fast, easy installation of various finish floor coverings. Unlike traditional liquid applied membranes, UZIN RR 185 does not require a mechanical concrete profile prior to its installation. With 100 % RH resistance, it can receive PVC floor coverings in a greatly reduced time to that of wet applied mitigation products. This uncoupling sheet can be applied over contaminated and mixed substrates, making it perfect for both refurbishment and preservation projects. Existing substrates / coverings can easily be overlaid with new floor finishes, their subsequent replacement requiring minimal effort or disruption.

SUITABLE FOR:

- ▶ Interior and exterior use
- ▶ Use over concrete substrates up to 100% RH
- ▶ Use over all adequately sound and level surfaces
- ▶ PVC sheet, PVC carpet tile, and PVC LVT floor coverings
- ▶ Use with the UZIN BalkuSlim Tile & Stone Deck Installation System
- ▶ Use over old and new surface finishes such as PVC and cushioned vinyl, linoleum, parquet, stone and ceramic flooring with grout lines not to exceed 5/32" (4 mm), coatings, etc.
- ▶ Use over surfaces unfit for direct installation (oil contamination) where damaging interaction between subfloor and covering must be avoided
- ▶ Use over subfloors that need to be reinstated at a later date, eliminating damage to overlaid coverings
- ▶ Residential and commercial applications



FEATURES AND BENEFITS:

- ▶ Multiple applications • Accepts various PVC floor finishes
- ▶ No requirement to profile concrete subfloors • Floating product, unlike wet applied mitigation
- ▶ Ideal for renovation projects • Existing floor coverings can easily be covered
- ▶ Perfect for preservation projects • Covered floors can be reinstated damage free
- ▶ Resistant to contaminants • Costly demolition can be avoided
- ▶ Easy to cut and position • Reduced install time allows cost savings
- ▶ Minimal thickness • Surrounding floor transitions can easily be met
- ▶ Provides flat and level surface • Ideal for use with UZIN adhesives (KR 430, KE 2000 S, & TR 400)
- ▶ Easy to remove • Flooring replacement can be made same day
- ▶ No tape required at seams • Reduced possibility of seams telegraphing

TECHNICAL DATA:

Packaging	Sheet in rolls
Storage	min. 24 months
Color	gray
Coverage	538 ft ² (50 m ²)
Roll width	6.56 ft (2.0 m)
Roll length	82 ft (25 m)
Roll weight	approx. 137.8 lb (62.5 kg)
Area weight	approx. 0.26 lb/ft ² (1.25 kg/m ²)
Thickness	approx. 1/16" (1.5 mm)
Minimum application temperature	60 °F (15 °C) at floor level





PRODUCT PROPERTIES:

UZIN RR 185 is a loose laid sheet membrane that provides significant cost savings through its ease of application and those of subsequent finish floor coverings. This uncoupling sheet is perfect for refurbishment and preservation projects, allowing the overlay of existing coverings without causing damage should these floors need to be reinstated. UZIN RR 185 comprises a topside glass fiber fleece with latex foam studs to its reverse. This unique design allows the suppression of extreme moisture vapor diffusion up to 100 % RH.

For use with the UZIN BalkuSlim System, please refer to specific UZIN RR 185 installation details at us.uzin.com.

COVERAGE *

Ensure proper adhesive coverage and transfer. Most resilient flooring types require > 80 % transfer. Trowel sizes listed are suggested to maximize coverage of adhesive and are subject to evaluation by the installer. Allow UZIN KR 430 adhesive to set 12 – 24 hours before placing into service. Allow UZIN KE 2000 S adhesive to set 24 – 72 hours before placing into service.

UZIN KR 430 adhesive trowel recommendations	
PVC luxury vinyl tile (LVT)	PVC carpet tile (see Important Notes)
approx. coverage (KR 430): Up to 200 sq. ft. per gal. (300 sq. ft. per pail)*	approx. coverage (KR 430): Up to 200 sq. ft. per gal. (300 sq. ft. per pail)*
 1/32" x 1/16" x 1/32"	 1/32" x 1/16" x 1/32"
UZIN KE 2000 S adhesive trowel recommendations	
PVC vinyl sheet goods – Homogeneous vinyl backed	PVC carpet tile (see Important Notes)
approx. coverage (KE 2000 S): Up to 210 sq. ft. per gal.*	approx. coverage (KE 2000 S): Up to 210 sq. ft. per gal.*
 1/32" x 1/16" x 1/32"	 1/32" x 1/16" x 1/32"

* At 70 °F (21 °C) and 65 % relative humidity and tempered adhesive containers. Coverage is approximate and could vary depending on the angle at which trowel is held.

SUBSTRATE PREPARATION:

The substrate must be smooth and flat per floor the covering manufacturers' recommended guidelines. Surfaces must be sound, solid, surface dry, free from active cracks, and clean. Any weakly bonded or soft surface material, such as loose patching compounds, leveling compounds, floor coverings, or coatings, must be entirely removed. Thoroughly vacuum off all loose material and dust, following OSHA recommended guidelines. All adhesive layers must be prepared to a thin, non-three-dimensional stain. When UZIN RR 185 is used as a moisture vapor retarder, smooth prepared concrete surfaces as required with UZIN NC 890 HYDROPATCH.

Existing hard surface floor coverings must be clean and fully bonded. Existing VCT and tile format resilient floor coverings on or below grade must be removed. Gypsum substrates and wood flooring above grade must be completely dry. Do not apply UZIN RR 185 over gypsum-based leveling compounds or wood flooring installed on or below grade. UZIN RR 185 is suitable for use over ceramic tiling with grout joints up to 3/16" (4 mm) and zero joint lippage without the use of a leveling compound.

UZIN RR 185 can be applied over oil-contaminated concrete and sufficiently cleaned and rinsed chemically abated concrete surfaces completed per the manufacturer's recommended guidelines. In this circumstance, the concrete substrate must be in a condition to receive the specified floor covering. Applying UZIN substrate repair products over an oil-contaminated or chemically abated concrete substrate is not recommended.

CAUTION: Do not sand or grind adhesive residue, as harmful dust may result. Inhalation of asbestos dust may cause asbestosis or other serious bodily harm. Refer to the Resilient Floor Covering Institute's publication "Recommended Work Practices for Removal of Resilient Floor Coverings" for instruction.

APPLICATION:

1. The recommended adhesives for use with UZIN RR 185 are UZIN KR 430 reaction resin for PVC LVT, UZIN KE 2000 S dispersion adhesive using the nonporous surface installation method for PVC sheet, and UZIN TR 400 reaction resin thinset mortar for tile and stone installations only – see UZIN BalkuSlim System.
2. The UZIN RR 185, UZIN adhesive, and floor covering must be acclimated in an enclosed building 72 hours before installation with the HVAC operational between 65–85 °F (18–30 °C), and between 35–65 % relative humidity, before, during, and permanently after the installation.
3. Install the UZIN RR 185 parallel with the proposed direction of the new floor covering with seams off-set a minimum of 2" (50 mm) of the floor covering seams. LVT and carpet tile planks may be installed perpendicular to the length seams of the UZIN RR 185.



4. During the installation of RR 185, minimize or eliminate the number of butt-joints (cross seams) to reduce the potential for peaking and telegraphing.
5. When cutting UZIN RR 185, always use a hook blade. Cut the UZIN RR 185 maintaining a consistent gap of at least 1/8" (3 mm) against all fixtures and walls, including cabinets, door jambs, and transitions to other floor coverings.



6. When adhering floor covering to the surface of UZIN RR 185, the use of seam tape is not recommended. Floating floor covering systems will require tape at UZIN RR 185 seam locations. Select a suitable 2" (50 mm) aluminum tape.
7. UZIN RR 185 factory edge seams may be positioned together neatly without compression or gaps. Seams requiring trimming can be overlapped 1"-2" (25-50 mm). Double-cutting all factory edge seams when installing thin or light-sensitive LVT or PVC sheet floor coverings will improve but not eliminate the possible telegraphing of the UZIN RR 185 seams. When double-cutting UZIN RR 185 seams, be sure not to cut through or damage the flooring below.

8. UZIN RR 185 is a floating system. Do not attach UZIN RR 185 to the substrate surface at poorly gapped seam locations when applying adhesive. Lay a paper strip below seam locations if desired.
9. During the floor covering installation, be careful not to damage UZIN RR 185 when cutting seams. Any stresses in the sheet floor covering should be neutralized by back rolling. Back rolling should include along material length edges to offset the potential for material lifting.
10. The new floor covering is installed onto the UZIN RR 185 according to standard trade practice for floor covering work. Apply an even coat of UZIN adhesive with recommended trowel notch (see coverage chart) and allow an appropriate flash time according to the trowel notch selection and ambient climatic conditions. Roll the floor covering with a maximum 100 lb. roller per the UZIN adhesive product data sheet. Periodically check back of floor covering to ensure 80% transfer of adhesive.



11. When fitting the floor covering, a gap of at least 1/8" (3 mm) must be maintained against all fixtures and walls, including other floor coverings. Install vented base molding or allow a minimum of 3/16" (5 mm) space beneath perimeter molding. Be sure to place proper transition strips at door jambs and transitions as required for each different floor covering installed.
12. Allow 7 days before cleaning and maintenance of floor covering installations.

IMPORTANT NOTES:

- ▶ Store rolls upright and protect sides from impact damage. This product should be stored at temperatures between 50–90 °F (15–32 °C). Inspect UZIN RR 185 rolls before installation. Improper storage may lead to permanent visual surface irregularities and telegraph to the finished floor covering.
- ▶ The manufacturer must confirm floor coverings as resistant to PVC plasticizers. The dimensional stability (curling, shrinkage) of flooring products installed over RR 185 is not the responsibility of UZIN.
- ▶ When installing UZIN RR 185 over concrete substrates with high residual humidity, the 1/8" (3 mm) gap at all walls or fixtures must be maintained and remain vented to the interior atmosphere.
- ▶ On wooden substrates with high residual humidity below, ensure adequate ventilation of the air space. UZIN is not responsible for the dimensional stability of the wood substrate.
- ▶ UZIN RR 185 maximum point load must not exceed 436 psi (3 N/mm²). Damage caused to installed finish floor coverings by spiked heels, improper protectors, casters including static load, resting furniture, etc., is not the responsibility of UZIN.
- ▶ This product is designed to reduce moisture vapor transmission from concrete substrates. It will NOT prevent damage to the flooring caused by a lack of moisture control from other sources. All other sources of moisture caused by leaks, broken pipes, poor drainage, subsurface hydrologic factors, etc., must be eliminated before installation.
- ▶ For future flooring renovations, UZIN RR 185 cannot be reused.
- ▶ Depending on installation area window and lighting conditions, telegraphing of UZIN RR 185 seams may be visible.
- ▶ Not suitable for use on underfloor heating systems, soft cushion surfaces, or textile floor coverings.
- ▶ Not recommended for healthcare applications.
- ▶ The following standards apply:
 - ASTM E1745 "Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs"
 - ASTM F1482 "Standard Practice for Installation and Preparation of Panel Type Underlayments to Receive Resilient Flooring"
 - ASTM F2170 "Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes"
 - TCNA Handbook for Ceramic, Glass, and Stone Tile Installation
 - TTMAC Specifications Guide 09 30 00 Tile Installation Manual

COMPOSITION:

Polymer-bonded glass-fiber fleece.

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

The product contains glass fibers that may cause skin/eye/respiratory irritation. Use proper personal protective equipment (PPE) when handling the product. For more information, see the Product Data Sheet available at us.uzin.com.

DISPOSAL:

Dispose un-/used material according to the applicable laws and regulations.