



ROLLED UNDERLAYMENTS

# KeedeRoll™ 300 Uncoupling Mat



## DESCRIPTION

Dependable's uncoupling mat provides a fast, durable and cost effective solution for tile installation. KeedeRoll™ 300's technology works by absorbing subfloor movements and reinforcing mortar; while the fabric allows for shearing movement to take place by separating the subfloor from the tile or natural stone. KeedeRoll™ 300 is an ideal product for plywood substrates providing both reinforcement and water protection using a laminate water resistant fabric. KeedeRoll™ 300 is designed to keep their durability for years to come.

## APPLICATIONS

- Plywood or OSB subfloors
- Dependable's patches and self-levelers
- Concrete
- Radiant heat flooring

## FEATURES AND BENEFITS

- Crack isolation protection
- Water resistant
- Strengthens wood substrate
- Easy to install
- Light weight
- High compressive strength
- Increases tensile strength
- Reinforcement for mortar
- High point load strength

## PACKAGING

- 60 square feet roll
  - 4 ft. width
  - 15 ft. length
  - 9 lbs/roll
- 200 square feet roll
  - 4 ft. width
  - 50 ft. length
  - 30 lbs/roll

## PHYSICAL CHARACTERISTICS

A geometrically shaped roll with entangled net bonded to water resistant fabric.

## MATERIAL AND STORAGE REQUIREMENTS

1. Deliver and keep materials in original packaging until ready to use.
2. All claims of damage must be reported to the freight company. Report any defects in material to Dependable immediately.

## FLOOR REQUIREMENTS

### WOOD

OSB and plywood are approved substrates for KeedeRoll™ 300. Ensure the flooring is structurally sound and built to code, with movement joists placed in accordance with industry standards.

### Joist

- For a 16" o.c. joist, I-joist, or floor truss, use a minimum subfloor thickness of 5/8" (16 mm).  
Tongue-and-groove with a 1/8" (3 mm) gap between sheets.
- For a 19.2" o.c. joist, I-joist, or floor truss, use a minimum subfloor thickness of 3/4" (19 mm).  
Tongue-and-groove with a 1/8" (3 mm) gap between sheets.
- For 24" o.c. I-joist, or floor truss, use a double layer of plywood. Use a minimum subfloor thickness of 3/4"(19 mm) and an added layer of 3/8" (10 mm) subfloor as a second layer.

### Substrate Preparation

- Ensure the subfloor is properly fastened, structurally sound and built to code.
- Clear any dust, paint, oil, wax or potential bond breaker from the floor. Consult Dependable Technical Services if you have any questions.
- The subfloor MUST be flat and level. If leveling is required use a Dependable self-leveler or patching product. Dependable's SKIMFLOW ES or SKIMFLOW HPI is recommended. Consult the product's data sheet for details.

### Approved Thin-sets and Grouts

- Any modified thin-set in accordance with ANSI A118.14 or ANSI A118.11.
- Any unmodified thin-set in accordance with ANSI A118.1.
- Use of a modified thin-set is recommended.

### CONCRETE

Concrete is an approved substrate for KeedeRoll, ensure it's structurally sound prior to installation. Additionally, ensure the slab meets TCNA requirements and temperature requirements.

### Substrate preparation:

- Ensure the substrate is structurally sound and cured.
- Clear any dust, paint, oil, wax or potential bond breaker from the floor. Consult Dependable Technical Services if you have any questions.
- The subfloor MUST be flat and level. If leveling is required use a Dependable self-leveler or patching product. If you're installing KeedeRoll on a gypsum concrete subfloor use Dependable's SKIMFLOW HPI or WHITE SKIMCOAT (see data sheets for details). If you're installing KeedeRoll on a Portland concrete floor use Dependable's SKIMFLOW ES and FEATHERCRETE products (see data sheets for details).
- Assure that the RH level of the concrete slab is in accordance with the finished floor's tolerance level. Consult the manufacturer's instructions. Use ASTM F2170 Standard Test Method for determining RH in concrete slabs to determine RH levels. (Note: this is not required for gypsum concrete).
- If the concrete slab exhibits any cracking, ensure the cracks are in-plane. If the cracks are NOT in-plane, do NOT install KeedeRoll.

## FLOOR REQUIREMENTS Continued...

### Movement Joints:

Movement joints must be installed in accordance with industry standards, if they are not do NOT install KeedeRoll.

### HEATED FLOORS

Heated floors are an approved substrate for KeedeRoll. Ensure the heated floor is either an electric thin mat or wire heating floor system. Follow the manufacturer's installation instructions, and follow KeedeRoll's installation instructions for wood substrates above.

### REQUIRED TOOLS:

- 1.4" or V-notch trowel
- Appropriate thin-set mortar (see Approved Thin-Set's and Grouts above)
- Carpet knife
- Tile float or roller

## KeedeRoll 300 Installation Instructions

Following the steps properly while installing KeedeRoll is essential to the success of your installation. For further details on uncoupling membrane installations consult TCNA manual methods F147-14, F148-14, and F128-14.

- Mix mortar according to the manufacturer's instructions on the looser side.
- Starting from the wall and using the appropriate thin-set mortar begin troweling out the mortar using a 1/4" x 3/16" V-notch trowel.
- Trowel enough area to cover with a portion of KeedeRoll then work your way down while rolling out the mat.
- Place KeedeRoll into the mortar with the fabric side down with the selvedge edge exposed and away from the wall. Use a float trowel or roller to ensure that the fabric is embedded to the mortar. Roll the area until any air pockets are eliminated.
- Lift up a corner to ensure there is full coverage of thin-set mortar on the fabric.
- Align the end and side sections of KeedeRoll and apply mortar to the selvedge edge and subfloor. Roll the product out as done previously. Continue working the product out while making sure the joints are butted tightly and the selvedge edge is covered. Continue this pattern until the area is complete.
- At roll ends or butt joints place a piece of scrap KeedeRoll fabric with the core removed from it under both pieces and trowel or roll into the thin-set mortar. Place additional mortar on the fabric and continue with the installation, assuring the fabric covers the entire seam edge.

### Installing Tile over KeedeRoll

All tile must be installed according to the tile manufacturers recommended installation instructions.

- Tile may be installed over KeedeRoll as soon as KeedeRoll has been installed and embedded into place.
- Trowel the appropriate mortar using the appropriate size trowel recommended by the tile manufacturer.
- Ensure the mortar has filled the entangled net and encased into the filaments.
- Embed the tiles into the setting materials. Periodically lift the tile to make sure the tile has appropriate coverage.

### Waterproofing Installation

#### Follow these steps for waterproofing only

- Apply thin-set at the wall joints.
- Place KeedeRoll 300 5" waterproofing band (KeedeBand) in the center between the wall and floor.
- Trace additional thin-set over the tape using the flat side of the trowel ensuring 100% bond and no excess mortar or air pockets.
- Place additional tape below where one roll ends and a new roll begins, and where no selvedge edge is provided. Secure with mortar on top and bottom. Cover with KeedeRoll 300.

### LIMITATIONS

This product is not intended for use in areas with standing water. This is including but not limited to fountains, pools, and tiled tubs. This product is not intended to be used as a wear surface. Always follow TCNA guidelines when installing KeedeRoll. Do not bond directly to particle board, vinyl flooring, metal or other surfaces not approved by Dependable. KeedeRoll is not designed to work in environments not approved by the thin-set manufacturer. Do not use with mosaics and or tile products that are 2"x2" or smaller.

When installing natural stone over KeedeRoll, we recommend the use of two layers of plywood underlayment. If the installer does not use two layers of plywood, the limited warranty does not apply.

Large format tile applications are not warranted for industrial applications.

Call technical services at 1-800-227-3434 with any questions or concerns regarding installation of KeedeRoll.

### TESTING

1. ASTM C627 Robinson Wheel Test Rated Extra Heavy
2. 7 Day Shear Strength test 97 PSI Exceeds Standards

### LEED v4

LEED v4 BD+C  
(Building Design + Construction)

**MR Credit 3:** 1-2 points  
(Material & Resources)  
Building Product Disclosure and Optimization - Sourcing of Raw Materials

Locally sourced materials and recycled content are now combined in 2 options:

1. Raw Material Source and Extraction Reporting (1 point)
2. Leadership Extraction Practices (1 point)

ROLLED UNDERLAYMENTS	Recycled Content	Manufacturer Site	VOC Content
KEEDEROLL	up to 40%	Cleveland, OH	0

*Please refer to Dependable's LEED Brochure for more information.*

Technical Assistance: Visit our website: [floorprep.com](http://floorprep.com) or call 1-800-227-3434

**LIMITED WARRANTY:**  
For information about the warranty please visit our website: [floorprep.com](http://floorprep.com) or contact us at 800-227-3434.

2016/5  
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