

Waterproofing Kit Installation Instructions



**Bathroom
Heating**

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the radiant floor heating experts™ 

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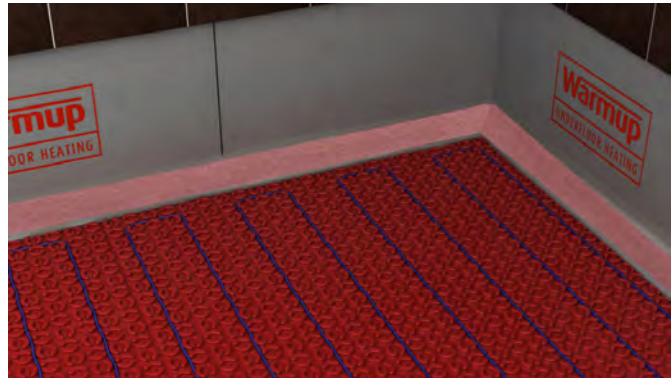
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INTRODUCTION

Ceramic and stone tiles are durable, easy to maintain, and hygienic. They represent an ideal surface covering for wet areas. However, since tiles and grout are not inherently waterproof, it is essential to protect the substrate from moisture penetration. In a tiled wet room the Warmup waterproofing kit is recommended to prevent moisture penetration. If this describes your installation, you're on the right path.

Warmup's DCM-WP-KIT is a pliable, sheet-

applied, bonded waterproof membrane and vapor retarder with limited crack-bridging capabilities. It is made of soft polyethylene, which is covered on both sides with a special fleece webbing to anchor the membrane in the thin-set mortar. The DCM-WP-KIT was developed as a waterproofing membrane to be used in conjunction with ceramic and stone tile coverings. Tiles can be installed directly on the membrane using the thin-bed method. Other trowel-applied covering materials, such as plaster, can also be used.



FIRST THINGS FIRST

The code on your package should be DCM-WP-KIT. Unpack your waterproofing kit and ensure all pieces are included for a successful installation. Contact Warmup® with any questions on the contents of your order.

Your package should include:

1 1X ROLL



2 6X INSIDE CORNER



3 2X OUTSIDE CORNER



The kit is comprised of a 35' roll of 3-ply membrane measuring 5" in width. This is applied to the perimeter of the room and to seal butt joints or corner joints. Preformed, seamless corners are included in the kit as well, with 6 inside and 2 outside corners. The typical 6x10 L-shaped bathroom will have 5 inner and 1 outer angles and the kit will provide for a couple of spares.

MATERIAL PROPERTIES AND AREAS OF APPLICATION

The DCM-WP-KIT features a modified polyethylene (PEVA) core with non-woven polypropylene on both sides. The material is physiologically safe and does not require special disposal. The tape is .50 mm thick and the corners are .54 mm thick. Both have a water vapor permeance of 0.90 perms, when tested according to ASTM E96, using Procedure E at 90% relative humidity.

All kit contents are waterproof and resistant to most chemicals commonly encountered in tiled environments. They are resistant to aging, will not rot and are highly resistant to saline solutions, acid and alkaline solutions, many organic solvents, alcohols, and oils. The DCM-WP-KIT is used on wall and floor surfaces where protection against the penetration of moisture or other harmful substances is necessary. It is suitable for use in showers, intermittent use steam showers, tub surrounds, and areas surrounding swimming pools. Industrial applications include the food industry, breweries, and dairies.

INSTALLATION

1. Cut a length of the waterproof roll to fit folded at the crease of the floor and wall
2. Apply a suitable waterproof 3/8" layer of thinset to the mat, walls and penetrations through the mat, 4" either side of the joint, ensuring there are no gaps or voids.
3. Press your cut length of roll into the thinset along the wall perimeter using a trowel, removing any air gaps or creases. Press the membrane fully into the bond coat. Work the product into the mortar by applying pressure to the membrane with the flat side of the trowel (held at an angle) in smooth, diagonal sweeps.

Always apply the waterproofing products above the DCM-M and DCM-PS anti-fracture membranes. Plan for cuts and seams by first dry-fitting the heating cable membrane and marking the location of the seams.

4. For inside and outside corners, adhere pre-formed corners included in the kit. For floor/wall connections, use the DCM-WP-KIT roll.
5. To waterproof the joints between membrane runs and over the cable joints, apply a 3/8" layer of waterproof thinset, 4" either side of the joint, making sure the cavities of the mat are fully filled. Cut a length of Warmup waterproof tape to suit and press into the thinset using a trowel, removing any air gaps or creases taking care not to damage or dislodge the cable.
6. Once the entire membrane has been completely bonded, and therefore waterproofed, the covering may be applied.
Note: Water testing of the assembly: Prior to setting tile, wait 24 hours to allow for final set of the mortar before testing to ensure waterproof performance of the assembly at seams and connections.

NOTE: Where joints are required, overlap the tape by 4" bonding the two lengths together with a layer of thinset.

NOTE: At the manufactured joint, the sensor probe bulb, the termination joint or anywhere that you have damaged or pierced the mat, cover the penetration with a 3/8" layer of thinset and cover with Warmup waterproof tape.

CODE REQUIREMENTS

Warmup's DCM-WP-KIT products meet the American National Standard for Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone Installations (ANSI A118.10) and have been evaluated according to the "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1" for California Specification 01350 and found to comply with the VOC requirements. California Specification 01350 is referenced by various green building standards and rating systems.

