

# SpiderWeb™ II Uncoupling Mat

## 1 Product Name

SpiderWeb™ II Uncoupling Mat

## 2 Manufacturer

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## 3 Product Description

**This product has been discontinued and replaced by [RedGard® Uncoupling Mat](#)**

A waterproof, vapor-proof uncoupling membrane that can be used for crack-suppression in most tile, porcelain or natural stone installations, and can be applied over challenging substrates such as installation over green (young) concrete and single ply 19.2" (49 cm) oc wood framed floors. SpiderWeb™ II is designed differently than bonded membranes, with a sacrificial layer of fleece reinforced fabric that shears away, or uncouples, when exposed to excessive substrate movement, absorbing stress and preserving the surface and integrity of the tile. SpiderWeb II's bonding layers have reinforced fleece which locks mortar into the mat, ensuring strong, reliable installations.

### Key Features

- Prevents cracks in tile and grout
- Use to replace 1/4" (6 mm) backerboard or a second layer of plywood in flooring installations - 1 roll replaces 3-4 sheets of 1/4" (6 mm) backerboard
- Can be used with polymer modified thin-set mortar - As recommended for bonding porcelain and other difficult to bond tiles
- No fasteners required
- Mat made from 70% recycled pre-consumer waste, by weight

### Suitable Tile Types

- Ceramic tile, all types including impervious porcelain
- Natural stone
- Precast terrazzo tile

### Suitable Substrates

- Concrete, cement mortar, masonry
- Young concrete
- Cement backerboard
- Exterior plywood and OSB (interior, dry areas only)
- Exterior decks – Contact Technical Services
- Post-tension concrete – Contact Technical Services
- Lightweight concrete (min. 2000 psi compressive strength)
- Gypsum-based cement topping (min. 2000 psi compressive strength)
- Existing ceramic tile and resilient flooring
- Floor heating systems



### Benefits of Product in the Installation

- Elastic, rot proof and resistant to aggressive substances and liquids such as alkalis, solvents and oils.
- Bridges cracks, uncouples floor coverings from their substrates, and is suitable as an underlayment for all floor tiles and stone.
- Protected by a Lifetime Warranty when used with a qualifying mortar.
- Contains 70% recycled material by weight.
- Can be used as an ANSI A118.10 waterproof membrane.
- Allows installation of tile over concrete with high moisture content.

### Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic.
- Do not use as a wear surface.
- When setting glass tile larger than 6" x 6" (15 x 15 cm), contact Custom's Technical Services for recommendations.
- When setting dimensional stone larger than 12" x 12" (30 x 30 cm), contact Custom's Technical Services for recommendations regarding subfloor deflection requirements.
- Contact Custom's Technical Services regarding in-floor heating systems.

### Packaging

- 1 M x 30 M Rolls
- 1 M x 5 M Rolls (Available in Canada)

## 4 Technical Data

### Applicable Standards

American National Standards Institute (ANSI) ANSI A108.01, A108.17, A118.10 and A118.12 American National Standards for the Installation of Ceramic Tile ASTM International (ASTM)

- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester
- ASTM D638 Standard Test Method for Tensile Properties of Plastics
- ANSI A138.1 Green Tile Standard



# CUSTOM®

# SpiderWeb™ II Uncoupling Mat

Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171, F125, F147, F148, F128 & F125A

- TTMAC D313F

## Environmental Consideration

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product may contribute to LEED® certification.

## 5 Instructions

### General Surface Prep

Exterior and wet areas must have proper sloping to drains. All surfaces must be structurally sound, clean, dry and free from contaminants that would prevent a good bond. Newly prepared concrete must be troweled smooth and textured to a fine broom finish. Existing surfaces must be scarified and leveled, and all defects must be repaired. Cracks exceeding 1/8" (3 mm) should be treated in accordance with TCNA F125 or TCNA F125A.

### Bonding to Lightweight Cement and Gypsum Surfaces

Gypsum substrates must have a PSI greater than 2000 and must first be primed or sealed per manufacturer's instructions. When using thin-set applied SpiderWeb™ II, all gypsum substrates must be coated with RedGard® Waterproofing and Crack Prevention Membrane or Custom® 9240 Waterproofing and Anti-Fracture Membrane.

### Bonding to Plywood Surfaces

Plywood flooring including those under resilient flooring must be structurally sound, built to industry standards, and deflection should not exceed L/360 for tile or L/720 for stone. Minimum 5/8" plywood over 16" oc joist spacing is required.

### Bonding to Existing Surfacing Material

Resilient flooring or plastic laminates must be well-bonded, clean and free of all contaminants. Roughen the surface by sanding or scarifying, rinse and allow to dry. Do not sand flooring containing asbestos. For existing well-bonded ceramic tile, mechanically abrade with carborundum stone. Rinse and allow to dry. When sanding we recommend the use of an approved respirator.

### Movement Joint Placement

Expansion joints and cold joints, as described in ANSI A108.01, should never be bridged with setting material. They must be brought through the tile work and filled with an appropriate elastomeric sealant, such as Custom's 100% Silicone. Contact Custom's Technical Services for additional information regarding questions about the proper treatment of control or saw cut joints. Refer to TCNA EJ171, F125 & F125A.

### Application of Product

#### Mortar and Notch Requirement

Using a thin-set mortar that meets ANSI A118.4, A118.15 and/or A118.11, apply the thin-set mortar using either a 5/16" x 1/4" (7.9 x 6.4 mm) V-notch trowel or a 1/4" x 1/4" (6.4 x 6.4 mm) square notch trowel to the substrate. Be careful not to trowel out more mortar than you can cover in the specified open time with SpiderWeb™ II Uncoupling Mat.

#### Installing SpiderWeb™ II Uncoupling Mat

Apply the SpiderWeb™ II Uncoupling Mat to the floor, fleece side down. Embed the matting into the bonding mortar using a float or screed joining sections of mat, simply align end and side sections of adjacent sheets. Make sure to occasionally check the transfer of the bonding mortar to the mat. Lift up a corner of the matting to check coverage. Proper installation results in full contact between the fleece webbing and the thin-set mortar.

#### Waterproofing

Each roll of SpiderWeb™ II is waterproof and offers vapor management. For a waterproof installation, install rolls in parallel strip, eliminating as many seams as possible. Ensure that all joints are butted tight, and use SpiderWeb II Seam Tape according to instructions to ensure the floor is waterproof.

#### Installing Tile Over SpiderWeb™ II Uncoupling Mat

Tile can be installed over SpiderWeb™ II as soon as it has been pressed into place. While working on the mat, place boards on the mat directly under you to prevent damage. Flat coat an ANSI A118.4 mortar, being sure to completely fill all of the depressions in the mat first. Then, thin-set and comb additional mortar using a trowel that is appropriate for the size of the tile. Completely embed the tiles in the setting material. Periodically remove and check a tile to ensure that full coverage is being attained.

#### Mortar Selection

As described in the TCNA Handbook for Ceramic Tile Installation, a polymer modified (ANSI A118.4 or A118.15) mortar is required for the installation of porcelain tile, and an ANSI A118.11 mortar should be used when bonding to exterior glue plywood. Custom® Building Products supports the use of polymer modified mortars whenever required. SpiderWeb™ II Uncoupling Mat is also compatible with ANSI A118.1 qualified non-modified mortars for basic tile installation.

#### Protection

If tile or stone will not be set immediately after curing, protect the application from heavy traffic damage. Protect from rain and inclement weather for 72 hours after application. If delays longer than 72 hours are expected, cover the area with felt paper. Care should be taken to prevent the application from becoming soiled or punctured during and after application.

#### Tile and Stone Installation

Install tile or stone with a Custom® Building Products polymer-modified mortar that meets ANSI A118.4, A118.15 or A118.11 standards.

#### Cleaning of equipment

Clean tools and hands with water before material dries.



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## Health Precautions

Wear impervious gloves and eye protection while using this product. Avoid contact with eyes or prolonged contact with skin. Wash thoroughly after handling. If eye contact occurs, rinse cautiously with water for several minutes, remove contact lenses if easy to do: continue rinsing. Immediately seek medical advice if symptoms are significant or persist. Do not take internally. KEEP OUT OF REACH OF CHILDREN.

## Conformance to Building Codes

Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.

## 6 Availability & Cost

Item Code	Size	Package
CSWM2323	1 M X 30 M	Roll
SWM254R	1 M X 5 M	Roll

## 7 Product Warranty

Custom® Building Products warrants to the original consumer purchaser that its product shall be free from defects in material and workmanship under normal and proper usage for a period of one year following the date of original purchase. CUSTOM's sole liability under this warranty shall be limited to the replacement of the product. Some states, countries or territories do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with CUSTOM's printed instructions. CUSTOM makes no other warranties either expressed or implied. This warranty gives you specific legal rights, and you may have other rights that vary from state to state or from one country/territory to another. This warranty is not transferrable.

When the SpiderWeb™ II Uncoupling Mat is used as a part of a qualifying full installation system of CUSTOM products, the installation can qualify for up to a lifetime system warranty. CUSTOM will repair and/or replace, at its discretion, the affected area of the system. For more information, find details and limitations to this warranty at [custombuildingproducts.com](http://custombuildingproducts.com).

## 8 Product Maintenance

Properly installed product requires no special maintenance. Do not use as a wear surface.

## 9 Technical Services Information

For technical assistance, contact Custom technical services at 800-272-8786 or visit [custombuildingproducts.com](http://custombuildingproducts.com).

## 10 Filing System

Additional product information is available from the manufacturer upon request.

## Related Products

SpiderWeb® II Seam Tape



# SpiderWeb™ II Uncoupling Mat

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Coverage

Size	Coverage
1 M x 30 M	323 sq. ft. (30 sq. M)
1 M x 5 M	54 sq. ft. (5 sq. M)

