

# ***Tred-MOR***<sup>®</sup>

*CARPET CUSHION*

The industry standard for Dubl-STIK<sup>®</sup>  
cushion that's easy on the environment



**SCI**<sup>™</sup>  
Sponge Cushion, Inc.  
*A Leggett & Platt COMPANY*  
INCORPORATED

Over 100 MILLION square  
yards installed worldwide!





## Sponge Cushion, Inc. has been manufacturing premium sponge-rubber carpet cushion since 1961!

No matter where you go, chances are you will end up experiencing the comfort of our products. Tred-MOR® and the Dubl-STIK® installation method were developed by SCI, and established the standard of excellence for commercial, public-space cushioning systems.

Today, you can find our products on every continent, installed at the most prestigious hotels, restaurants, retail stores, movie theaters, hospitals, airports, and office buildings.

Not only is Tred-MOR the most functional cushion available, it also contributes to a cleaner room environment. Tred-MOR, just like every SCI product, is manufactured with GUARDIAN® antimicrobial. GUARDIAN inhibits the growth of odor- and stain-causing microbes, mold, mildew, and bacteria to address current health concerns.

Tred-MOR is available in a variety of gauges and densities. With millions of square yards in use, Tred-MOR is the most widely used and specified product on the market today, and is designed specifically for Dubl-STIK cushion installation.

This installation method is performed by gluing the cushion to the floor and then gluing the carpet to the cushion. The Dubl-STIK method creates a unitary assembly, providing optimum comfort with a safe, highly durable, long-lasting, and versatile installation.

**Tred-MOR is the most widely used and specified product on the market today**

Dubl-STIK installation is recommended for any commercial application where continuous heavy or wheeled traffic is present; for large, open public areas (such as ballrooms or lobbies); for areas where custom borders or cut-ins are used; or where ADA compliance is required. Tred-MOR can also be used in conventional stretch-in/tackless installations. The following information is provided to offer a comprehensive overview of the features, benefits, and proper installation requirements for Tred-MOR.

## When to Use the Dubl-STIK Installation Method

The Dubl-STIK installation system was developed by Sponge Cushion, Inc. in the mid-1980s, and still remains the most effective and versatile method of commercial carpet installation. The development of the Dubl-STIK method has allowed for the many advantages of carpet cushion to be gained where they are needed most: in large, open areas typical of commercial settings, where conventional installation methods cannot be used, and in areas where continuous rolling-wheel traffic mandates a secure surface.

### The Dubl-STIK Method Offers:

- The ability to get the benefits of carpet cushion in large, open areas typical of commercial installations, such as ballrooms, lobbies, airports, movie theaters, corridors, offices, retail space, restaurants, and more. The Dubl-STIK method also allows for the use of carpet and cushion in odd-shaped areas and on stairs.
- Limitless versatility: The Dubl-STIK installation method opens the door for creativity when it comes to custom borders, cut-ins, and patterns.
- Unparalleled appearance retention and safety: The use of quality carpet cushion helps to retain carpet appearance by drastically reducing surface wear. There is no other method of installation resulting in a safer environment than one that creates a unitized assembly of carpet and cushion bonded to the floor. Tripping hazards can be eliminated, and rolling traffic will not contribute to the deterioration of carpet appearance.

## Tred-MOR premium sponge rubber carpet cushion provides:

### Improved Comfort

Carpet cushion works as a “shock absorber” to provide a softer, more comfortable surface to walk and stand on. In the commercial setting, this is critical for customer and worker satisfaction.

### Improved Carpet Appearance and Lifecycle

Lifecycle testing has proven that carpet installed with Tred-MOR will retain its appearance longer and extend its useful life by as much as 50%.

### Improved Acoustical Environment

Cushion works to absorb ambient sound transmission and contributes to a quieter and more comfortable environment.

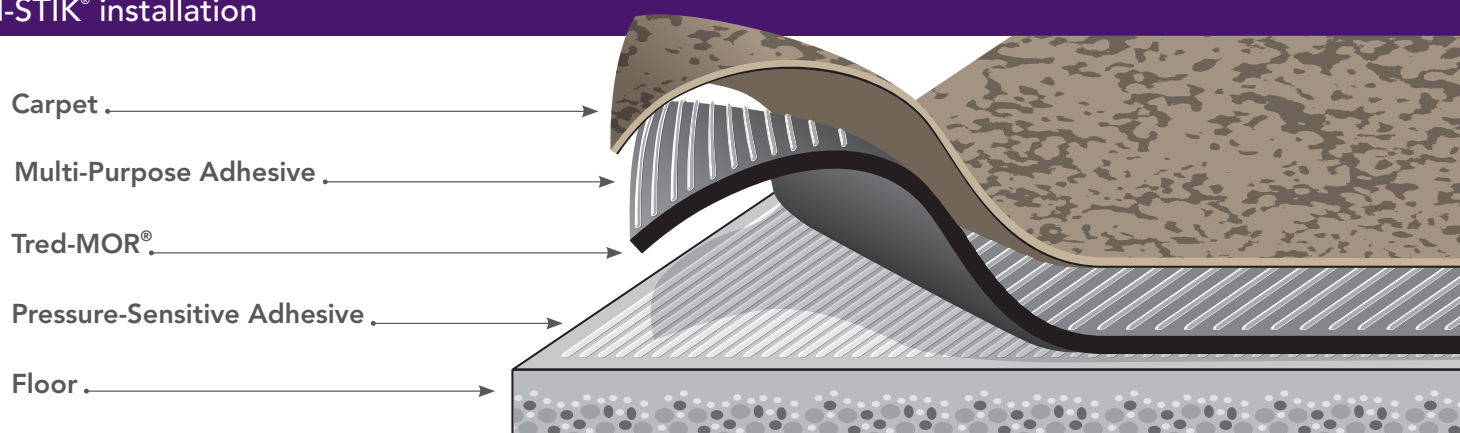
### Antimicrobial, Mold, and Mildew Protection

GUARDIAN antimicrobial inhibits the growth of odor- and stain-causing microbes, mold, mildew, and bacteria.

### Versatile Thermal Qualities

Sponge-rubber cushion is the best choice for use over radiant floor heating systems.

## Dubl-STIK® installation





## Before You Begin

The following information has been prepared to provide an overview of the correct Dubl-STIK installation procedures and optimum site conditions. When professional installers follow these steps, the result will be a lasting, durable, and highly attractive carpeted space. For complete SCI installation instructions, please refer to SCI Technical Bulletin #106 and #108, which can be found in the Tred-MOR section of the SCI website, [www.sponge-cushion.com](http://www.sponge-cushion.com), and provides more detailed installation information.

**Note:** The information provided regarding installation conforms to the procedures in the Carpet and Rug Institute's document, CRI Carpet Installation Standard 2011, which is the accepted industry standard for commercial installation. This document has been prepared as an overview only. For official SCI installation instructions, please refer to SCI Technical Bulletin #106 for standard Tred-MOR or #108 for Tred-MOR with Quik-LIFT®.

- **Ambient temperature and humidity:**

To ensure proper results from your Dubl-STIK installation, the recommended site temperatures should be between 65°F and 95°F, with a maximum relative humidity of 65%. These conditions should exist at least 48 hours prior to and during the installation, as well as 72 hours following the installation.

- **pH limits for concrete sub-floors:**

Generally acceptable pH limits for concrete sub-floors are between 5 and 9 (ASTM F710-05). If the carpeting has a specialty backing, such as a moisture barrier, it is recommended you consult the carpet manufacturer to verify their specific requirements. Also consult the adhesive manufacturer for specific requirements.

- **Moisture limits for concrete sub-floors:**

The moisture emission rate in concrete floors should not exceed 3 lbs. per 1,000 s/f per 24 hours (ASTM F1869) and 75% internal relative humidity (ASTM F2170). Moisture emissions that exceed this amount may affect the quality of the adhesive bond and reduce the life of the installation. If the carpeting has a specialty backing, such as a moisture barrier, it is recommended that you consult the carpet manufacturer to verify the adhesive requirements.

## Adhesive Information

Adhesives suitable for use with Tred-MOR Dubl-STIK installations can be obtained from a wide range of manufacturers. Each adhesive manufacturer has specific warranty coverage and recommendations for their products use in conjunction with Tred-MOR. Prior to any installation, you should consult the manufacturer of your choice for specific information. While SCI does not endorse any specific manufacturer or products, most of the major adhesive companies manufacture products that carry specific warranties for use with Tred-MOR.

## Floor Preparation

The floor should be clean and free of dust, debris, and other contaminants. All loose tiles, boards, or fasteners should be removed or repaired prior to beginning the installation.



## Cushion Layout and Seam Configuration

Cushion should be cut to the longest lengths possible. Cushion seams should run perpendicular to carpet seams. If this is not possible, parallel cushion seams should be off-set a minimum of 6" from the carpet seam. Seams should be butted with no gaps.





## Part 1: Cushion to Floor

### Standard Tred-MOR Installation Pressure-Sensitive Adhesive

The use of pressure-sensitive adhesive applied with a 1/16" (width) x 1/32" (depth) x 1/32" (spacing) U-notched trowel is suggested for attaching the cushion to the floor (figure A). The side with the black Poly-Tec backing goes to the floor (figure B). Product is packaged with correct side facing substrate – just unroll. Make sure to observe the proper curing time (as indicated by the adhesive manufacturer's instructions) to allow the adhesive to "tack-up" prior to laying-in the cushion. Failure to allow for adequate adhesive set up may permanently bond the cushion to the floor, making removal very difficult.

### Tred-MOR with QuikLIFT® Multi-Purpose Adhesive

SCI's optional Quik-LIFT backing allows for the installation of Tred-MOR directly to the floor using a premium multi-purpose adhesive applied with a maximum 1/32" U-notched trowel. The Quik-LIFT backing should be installed facing the floor. It is critical that the cushion be laid to the floor while the adhesive is wet. When using Tred-MOR with the Quik-LIFT backing, the installation will be faster and the removal quicker and easier during replacement. As always, check with your adhesive manufacturer for specific requirements.

## PART 2: Carpet-to-Cushion Installation Multi-Purpose Adhesive

A premium-quality, multi-purpose adhesive should be used to attach the carpet to the cushion. Adhesive should be applied in sufficient amounts as to fill any recesses created by the carpet backing. A **minimum** U-notched trowel size of 1/8" (width) X 1/8" (depth) X 1/16" (spacing) is required. The spread rate should be between 6 and 8 square yards per gallon. Some types of carpeting require higher adhesive spread rates. Consult with the carpet manufacturer for specific guidelines (figure C).



Once prescribed open-time is allowed, install the carpet into the adhesive, peeling back a section periodically to make sure the adhesive is penetrating into carpet backing recesses (figure D and E). Once carpet is laid, it is recommended that it be rolled using **no more** than a 50 lb. roller. Again, recommendations from the carpet manufacturer should be followed.

## Multi-Purpose Adhesive

Multi-purpose adhesive can be used to attach the cushion to the floor, but is not recommended for standard Tred-MOR. Note: The use of a multi-purpose adhesive will create a permanent bond.

## Seams

All seams must be sealed using a latex sealer or similar product, whether seam adhesive or hot-melt tape is used. Listed below are the two generally acceptable methods of seam construction. Consult the carpet manufacturer's specific requirements.

**Carpet Seam Adhesive:** Follow the recommendations of the carpet manufacturer. Seam adhesive is designed to join two sections of carpeting. When properly used, seam adhesive will prevent seam splitting and unraveling.

**Hot-Melt Tape:** Many manufacturers offer low-profile hot-melt tapes specifically designed for use with Dubl-STIK cushion. Consult your supplier or manufacturer for applicable products.

**CAUTION: DO NOT USE silicone-treated tapes, as the silicone will prevent adhesives from sticking.**

## Installer Certification Programs

As with any commercial installation, the quality of the finished job is determined by a number of factors. Even when using the finest materials, like Tred-MOR, along with the highest quality adhesives and seam tapes, the skill and experience of the individual performing the installation is very important. For the best results, you are encouraged to utilize installers who possess certification of training for the Dubl-STIK method. All of the major installation trade organizations offer certification programs.

- The International Certified Floor Covering Association (CFI) Level of Master or C-II
- INSTALL
- Floor Covering Installation Contractors Association (FIT program)





**Now that you've completed your Dubl-STIK Installation:**

It is critical to keep all traffic off of your newly installed Dubl-STIK carpet for a minimum of 24 hours to allow the adhesive to cure. Furniture should not be replaced or wheel traffic allowed for 48 hours after installation.\*

**DO NOT COVER NEWLY INSTALLED CARPETING WITH PLASTIC SHEETING.**

Wet-cleaning (steam or liquid extraction) generally should not be used for 4-6 weeks following installation.

Consult adhesive manufacturer for their specific recommendations.

\*If installation site will not allow for the 24- to 48-hour post-installation waiting period, consult your adhesive supplier for possible alternatives.

***Tred-MOR***<sup>®</sup>  
CARPET CUSHION



## What makes us so green?

Multiple LEED™ Points Opportunity	The use of SCI Sponge Premium Rubber carpet cushion may qualify your project for LEED™ points for air quality, building materials, acoustic performance, and others. *For details, please view or download our guidance document at <a href="http://Commercial-CarpetCushion.com/Environment.html">Commercial-CarpetCushion.com/Environment.html</a> .
Recycled Content	All cushion contains not less than 20% pre-consumer recycled material.
Eco-Friendly – Can Be 100% Recycled	All SCI Premium Sponge Rubber cushions can be 100% recycled at the end of its useful life, keeping millions of pounds of waste from landfills.
Safe and Non-Toxic	All SCI Premium Sponge Rubber cushions are produced without the use of toxic chemicals or constituents, contributing to a safe, healthy environment.
Contributes to Indoor Air Quality	All SCI Premium Sponge Rubber cushions meet or exceed the standard of the CRI (Carpet and Rug Institute) Green Label Plus program.

\*LEED™ point consideration may involve compliance for complete systems and not a single component. We recommend a thorough review of the LEED™ requirements when filing for certification

### Made from 100% synthetic rubber for superior comfort and wear

- Adds superior cushioning over sub-floors for optimum underfoot comfort
- Extends carpet life by up to 50%
- Superior noise suppression
- StainSTOP™ helps to prevent spills from penetrating to the subfloor

### Eco-friendly

- Contributes to LEED® flooring system and building material points
- Can be 100% recycled at the end of its useful life
- Contains not less than 20% pre-consumer recycled material

### Health and safety

- Features GUARDIAN® antimicrobial to inhibit the growth of odor-causing mold, mildew, and bacteria
- Meets or exceeds indoor air quality standards as established by the CRI (Carpet and Rug Institute) Green Label Plus program
- Hypoallergenic

For downloadable product sheets and installation instructions, visit [Sponge-Cushion.com](http://Sponge-Cushion.com) or [LPHospitality.com](http://LPHospitality.com).



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