

# EMCORE99

## VINYL FLOORING & CARPET TILE ADHESIVE

### 1. PRODUCT NAME

EMCORE99 Vinyl Flooring & Carpet Tile Adhesive

### 2. DESCRIPTION

**EMCORE99** Vinyl Flooring & Carpet Tile Adhesive is a very aggressive, high-tack transitional adhesive that installs like a pressure-sensitive adhesive but firms as it cures to form a permanent bond. EMCORE99 combines features of both permanent and releasable adhesives, making it suitable for different installation needs across a wide array of resilient and carpet floor coverings. EMCORE99 offers superior shear strength, excellent plasticizer, pH and moisture resistance (99% RH / 12 lbs MVER) to withstand extreme environmental conditions and will perform under heavy rolling loads and in all traffic conditions.

#### Features and Benefits

- Compatible with a wide range of resilient and carpet tiles
- Flexible installation methods – Wet Set and Pressure Sensitive
- Maximum moisture tolerance of 99% RH / 12lb MVER
- Superior shear strength
  - Ideal for environments with heavy traffic or rolling loads
  - Durability with reduced floor movement
- Easy to use and easy to clean
  - Apply with a trowel or roller
  - Spreads opaque white and dries clear
  - Includes green tracers
- Antimicrobials for superior mold and mildew protection
- FloorScore and CRI Certified
- LEED v4 contributing: CDPH v1.2

#### Approved Flooring Types

- LVP (Luxury Vinyl Planks)
- LVT (Luxury Vinyl Tile)
- VCT (Vinyl Composition Tile)
- Vinyl backed carpet tiles
- Vinyl sheet goods
- Other Approved Flooring Types: Rubber (tile and sheet), Stair Treads (rubber & vinyl), Carpet cushion to substrate, Cork-backed hard surface, Cork Flooring, Cork Underlayment

#### Approved Substrates

- Concrete
- APA-rated plywood
- Terrazzo
- VCT (properly prepared)

- Radiant-heated subfloors (surface temperature < 85F)
- Sheet vinyl (properly prepared) excluding self-stick
- Association Approved Particle Board
- Other Approved Substrates: Cork underlayment, OSB (oriented strand board), Ceramic tile (properly prepared), Cement backer board (primed), Gypsum (primed)

For floorings and backings not listed, contact Technical Services at (706) 277-5294.

#### Recommended Trowel and Coverage Rate\*

##### 1/16" x 1/16" x 1/16" (1.5 mm x 1.5 mm x 1.5 mm) SQ Notch

Flooring (porous substrate): LVP, LVT, VCT, vinyl sheet flooring, rubber sports flooring, natural cork, rubber underlayment and carpet tile  
Coverage: 125-185 ft<sup>2</sup>/per gallon (11.6-17.1 m<sup>2</sup>/per 3.78 L)

##### 1/16" x 1/32" x 1/32" (1.5 mm x .79 mm x .79 mm) U Notch

Flooring (non-porous substrate): LVP, LVT, and cork underlayment  
Coverage: 185-260 ft<sup>2</sup>/per gallon (17.1-24.1 m<sup>2</sup>/per 3.78 L)

##### Short Nap Roller (3/8") (9.5 mm)

Flooring (non-porous substrate): Non-Porous  
Flooring Type: LVP, LVT, VCT, carpet tile and cork underlayment  
Coverage: Up to 250-350 ft<sup>2</sup>/per gallon (23.2-32.5 m<sup>2</sup>/per 3.78 L)

\* NOTE: The trowel notches referenced are those typically recommended for the type of flooring being installed, and are referenced as a guide. Coverage rates will vary depending on trowel type, substrate and installation conditions. Consult flooring manufacturer for their specific trowel recommendations



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### 3. TECHNICAL DATA

<b>Product Type:</b>	Acrylic Polymer Blend
<b>Color:</b>	Off-white with green tracers
<b>Odor:</b>	Very mild
<b>PERMANENT Installation (Wet-Set Method)</b>	
<b>Open Time:</b>	Up to 20 minutes
<b>Working Time:</b>	Up to 40 minutes
<b>PRESSURE SENSITIVE Installation (Full-Tack Method)</b>	
<b>Open Time:</b>	Up to 60 minutes
<b>Working Time:</b>	Up to 12 hours Setup time will vary slightly with temperature and porosity of substrate
<b>Curing Time:</b>	24-48 hours
<b>Traffic:</b>	Residential: 0 min (PSA) 12 hours (semi-wet)
<b>Commercial:</b>	4 hours
<b>Rolling Loads:</b>	24 hours
<b>pH:</b>	Must not exceed 12
<b>VOC:</b>	< 1 g/L
<b>Shelf Life:</b>	2 years from date of manufacture when stored in the original unopened container in a controlled environment. Does not require thinning.
<b>Storage:</b>	While this product is freeze-thaw stable, it is necessary to protect it from freezing. Freeze/thaw stable to 20°F (-6.7°C)

### 4. INSTRUCTIONS

#### LIMITATIONS

- For interior controlled environments only.
- Not intended for use as a moisture mitigation system, see flooring manufacturer for any RH limitations for their respected products. Do not install in areas with known hydrostatic moisture problems or pH imbalances (pH tolerance 6-12).

#### PREPARATION

Concrete substrate must be dry (within tested moisture tolerance of flooring and adhesive product). Subfloors must be clean, structurally sound and within flat and level tolerance of manufacturer. All substrates must be free of substances such as paints, oils, epoxies, old adhesive residues, etc. that might inhibit the bond of the adhesive or the performance of the flooring or its installation. All substrate cracks, chips, holes, joints or high spots must be adequately repaired. Patching compounds must be suitable for the use application, cement-based and polymer-modified, and applied according to the manufacturer's instructions.

#### INSTALLATION

Maintain a consistent temperature and ambient relative humidity before, during and after installation (between 65-85°F and 30-50% ambient RH). Follow all industry standards and flooring manufacturer's recommendations for floor flatness, acclimation and application of flooring materials. Spread adhesive uniformly onto the substrate using a trowel (see trowel panel for recommendations). Adhesive trowel ridges should be well defined, consistent and achieve full coverage of the substrate. Observe appropriate open time.

When installing over a porous substrate: place flooring into semi-wet adhesive for a permanent bond or allow adhesive to dry and become tacky to the touch for a releasable bond.

When installing over non-porous substrate: always allow adhesive to completely dry and become tacky before placing flooring. Once adhesive field has reached appropriate tack, install the floor covering into the adhesive field.

Roll the floor covering with a weighted roller per manufacturer's specific guidelines.

Post installation: Restrict foot traffic and moving of heavy objects for 24 hours.

**CLEAN UP:** For best results, remove fresh adhesive immediately and completely with – warm, soapy water on a clean cloth. Dried Adhesive – mineral spirits sparingly on clean, cotton cloth. Do not pour directly onto the flooring.



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### 5. AVAILABILITY

4 G Plastic Pail      ZBBEMCORE99 759148066873

### 6. WARRANTY

Emser Tile offers a limited-product warranty on this product when installed in accordance with the printed specifications. Visit [www.emser.com](http://www.emser.com) or call (866) 435-8665 for warranty detail.

### 7. MAINTENANCE

Not applicable.

### 8. TECHNICAL SERVICES

For technical assistance or installation questions not covered in this document, please contact our Technical Services Department at (706) 277-5294 U.S.A.

### 9. FILING SYSTEM

Division 9

