

**CE-239**  
**12/13 Supersedes 08/09**

### **TUFCHEM<sup>®</sup> SVT-EX TILES**

#### **DESCRIPTION**

TUFCHEM<sup>®</sup> SVT-EX Tiles are superior quality, chemical-resistant vitrified tiles produced in a large 4 1/2" x 9 7/16" format. Larger-format tiles can be installed more quickly than standard 4" x 8" pavers and have fewer side joints, requiring less mortar or grout. TUFCHEM SVT-EX Tiles are ideally suited for wet environments, where irreversible growth inherent to red shale acid brick or dairy brick pavers is undesirable. Several slip-resistant surface profiles and multiple color options meet the needs of a wide range of food, beverage, pharmaceutical, and chemical processing applications. TUFCHEM SVT-EX Tiles are installed using conventional tilesetter's or bricklayer's methods using Corrosion Engineering chemical resistant adhesives, grouts and mortars. **Consult your local Corrosion Engineering Representative for the full range of colors, textures, and accessories, as well as complete specification details.**

#### **AREAS OF USE**

Floors, curbing, trenches, and sumps in the following facilities:

- Dairies
- Bakeries
- Bottling plants
- Breweries
- Distilleries
- Slaughterhouses and further processing plants
- Commercial kitchens and cafeterias
- Lead-acid battery plants
- Chemical processing plants
- Active pharmaceutical ingredient plants

#### **OUTSTANDING FEATURES**

- >35% lower piece count per square foot promotes rapid installation productivity, often resulting in installed costs lower than conventional acid brick systems.
- Available in traditional brick red to blend into facilities with existing red shale brick flooring. Alternative light-reflective cream tiles provide a clean, bright aesthetic favored by pharmaceutical and other processors. Multiple color options enable food processors to color-code and differentiate raw and cooked production spaces.
- A variety of slip resistant surface textures to meet safety and sanitation requirements. Impact and abrasion resistant. Hard, dense finish provides years of trouble-free service.
- Ideal for wet process areas, where the irreversible growth, inherent to red shale acid brick (dairy brick) pavers, is undesirable.

**TYPICAL PHYSICAL PROPERTIES**

PROPERTY	TUFCEM SVT-EX Tiles	Red Shale Acid (Dairy) Brick Pavers (per ASTM C279 Type II)
Colors	Traditional brick red, light-reflective cream	Traditional brick red
Shape Availability	Rectangular	Rectangular
Slip Resistance	Durable texture integrally formed into tile surface. (R9, R11, R12, R13)	Smooth, abrasive grit-embedded into surface, or wire cut open surface. (Single or double abrasive pavers and wire-cut vertical fiber brick)
Dimension Tolerance	+/-1% Length and Width (EN 14411)	+/-3% Length and Width
Size	9 7/16" (240 mm) x 4 1/2" (115 mm) 3.25 pc/ft <sup>2</sup> with 1/8" joints	8" (203 mm) x 3 7/8" (98 mm) 4.43 pc/ft <sup>2</sup> with 1/8" joints
Thickness	3/4" (18 mm), 1" (25 mm), 1 3/16" (30 mm), 1 7/16" (40 mm, Cream only)	1 3/16" (30 mm), 1 3/8" (35 mm), 2 1/4" (57 mm)
Flexural Strength	3,626 – 5,511 psi, varies with color	1,250 psi avg., 1,000 psi min.
Compressive Strength	18 mm: 15,230 psi (DIN 51 067) 30 mm: 18,855 psi (DIN 51 067)	No standard
Water Absorption	0.6% – 3.0%, varies with color (EN 14411)	4% avg., 5% max.
Nominal Joint Width	1/8" (3–4 mm) mortar or grout for 18 mm tile 1/8" (3–4 mm) mortar or 1/4" (6 mm) grout for >-30 mm tile	1/8" (3–4 mm) mortar or 1/4" (6 mm) grout

**ESTIMATING / PACKAGING THEORETICAL QUANTITIES - NO OVERAGE ALLOWANCE**

PRODUCT	PACKAGING	COVERAGE
9 7/16"x4 1/2"x3/4" (240x115x18mm) Red R12, 1260 pc/plt	TUFCEM SVT-EX Tiles are sold per piece, in full pallet quantities. Consult your Corrosion Engineering representative for specific project applications, including accessory wall, stair, and skirting components.	Allow 3.25 of the 9 7/16" x 4 1/2" pieces per SF with 1/8" wide joints.
9 7/16"x4 1/2"x1 3/16" (240x115x30mm) Red R12, 840 pc/plt		
9 7/16"x4 1/2"x3/4" (240x115x18mm) Cream R11, 1260 pc/plt		
9 7/16"x4 1/2"x3/4" (240x115x18mm) Cream R13, 1260 pc/plt		
9 7/16"x4 1/2"x1 3/16" (240x115x30mm) Cream R11, 840 pc/plt		
9 7/16"x4 1/2"x1 3/16" (240x115x30mm) Cream R13, 840 pc/plt		

**SAFETY PRECAUTIONS / DISCLAIMER**

Mixes and applications of this product present a number of hazards. Read and follow the hazard information, precautions and first aid directions on the individual product labels and [material safety data sheets](#) before using. While all statements, technical information, and recommendations contained herein are based on information our company believes to be reliable, nothing contained herein shall constitute any warranty, express or implied, with respect to the products and/or services described herein and any such warranties are expressly disclaimed. We recommend that the prospective purchaser or user independently determine the suitability of our product(s) for their intended use. No statement, information or recommendation with respect to our products, whether contained herein or otherwise communicated, shall be legally binding upon us unless expressly set forth in a written agreement between us and the purchaser/user.



Corrosion Engineering | 300 Stevens Drive, Suite 310, Lester, PA 19113  
 +1-610-833-4001 Phone | +1-610-833-3040 Fax | [corrosion-engineering.com](http://corrosion-engineering.com)