

INDUSTRIAL CERAMICS SOLUTIONS

# Vitrified Ceramic Tiling Systems



**BLOME**  
INTERNATIONAL

WE KNOW YOUR INDUSTRY | WE'VE GOT YOUR BACK | WE'RE THERE FOR YOU 24/7 | WE'RE READY TO GET STARTED





**DURABLE**

**PRECISE**

DEFINED MINIMUM  
JOINT WIDTH

DIMENSIONAL  
ACCURACY

**INNOVATIVE**

Z-SPACER

**ADVANCED**

**UNPARALLELED  
AESTHETICS**

**ANTIMICROBIAL**



# VITRIFIED INDUSTRIAL CERAMICS

## Don't Sacrifice Aesthetics or Precision for Function

Vitrified Ceramic Tiling Systems utilize precision industrial ceramic units with preformed spacer lugs and the most advanced chemical resistant, antimicrobial setting and grouting materials to achieve outstanding performance and unparalleled aesthetics for Food, Beverage, Dairy, Pharmaceutical, and Chemical Process plant flooring.

Vitrified Ceramic floors are non-absorbent, hygienic, safe, durable, and provide industry leading lifecycle economics. Vitrified ceramics can be applied using state-of-the-art techniques that accelerate the installation process, giving critical time back to today's quick paced construction schedules.

### BLOME VITRIFIED INDUSTRIAL CERAMIC SYSTEMS : Physical Properties

PROPERTY	FULLY VITRIFIED TILE	VITRIFIED CLINKER TILE	VITRIFIED PAVERS	RED SHALE BRICK PAVERS
Absorption	0.1 ≤ 0.5%	1.0 ≤ 2.0%	0.6 ≤ 3.0%	4.0% ≤ 5.0%
Abrasion Resistance	< 115mm <sup>3</sup> loss	< 175mm <sup>3</sup> loss	< 175mm <sup>3</sup> loss	< 250mm <sup>3</sup> loss
Compressive Strength	50,000 - 82,000 psi	34,000 - 38,000 psi	28,000 - 36,000 psi	19,000 psi
Dimensional Tolerances	< 0.5%	< 1.0%	< 1.5%	± 3%
Joint Width (Typical)	3/32" (2.5mm)	1/8" - 3/16" (3-4.5mm)	3/16" - 1/4" (4.5 - 6mm)	3/16" - 1/4" (4.5 - 6mm)
Flexural Strength	6,220 - 9,060 psi	4,300 - 4,900 psi	3,500 - 4,500 psi	1,000 - 1,250 psi
MOH Surface Hardness	> 7	≥ 7	≥ 7	6 ≤ 7
Resistance to Acids and Bases	BEST	Excellent	Excellent	Very Good
Resistance to Thermal Shock	BEST	Excellent	Very Good	Very Good

### VITRIFIED CERAMIC TILING SYSTEMS : MATERIALS

- **Blome PRIMER 75** : Moisture Tolerant Epoxy Primer
  - **Blome 925** : Emulsified Epoxy Concrete Repair Mortar
  - **Blome 926** : Fast Cure Penetrating Epoxy Underlayment
  - **Blome 926MT** : Moisture Tolerant Epoxy Underlayment
- 
- **Blome CP 36VTG** : Epoxy Setting Bed / Adhesive
  - **Blome CP 96VTG** : Novolac Epoxy Setting Bed / Adhesive
- 
- **Blome CP 3810** : Water Washable Epoxy Vitrified Tile Grout
  - **Blome CP 3811/3811V** : Water Washable Epoxy Brick & Tile Grout
  - **Blome CP 9810** : Water Washable Novolac Epoxy Vitrified Tile Grout
  - **Blome CP 9811/9811V** : Water Washable Novolac Brick & Tile Grout
- 
- **Blome CP 96TG** : Fast Set High Chemical Resistance Novolac Grout
  - **Blome CP 104** : Low Shrink Vinyl Ester Tile Grout
  - **Blome CP 110 HB** : High Bond Vinyl Ester Mortar
  - **Blome CP25C/CP-25CG** : Carbon Filled Furan Mortar/Grout
  - **Blome CP 29C** : High Temp Carbon Filled Furan Tile Grout
- 
- **Blome SEALANT 55MT** : Flexible Novolac Epoxy Joint Sealant
  - **Blome SEALANT 63** : High Elongation Polyurea Joint Sealant
  - **Blome SEALANT 73** : Polyurea Joint Sealant
- 
- **Blome MEMBRANE 67** : Urethane Asphalt Elastomeric Membrane
  - **Blome MEMBRANE 74** : Waterproofing & Anti-fracture Membrane



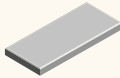



# FULLY VITRIFIED TILING SYSTEMS

Blome Fully Vitrified Ceramics offer precision tolerances and consistent narrow joints with a broad range of colors, shapes and surface textures.

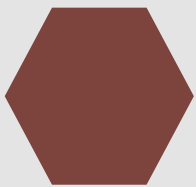


Fire-Sealed Surface

Blome Fully Vitrified Tile include a fire-sealed wearing surface that reduces soiling and improves cleanability with a more intensive color effect.

FULLY VITRIFIED TILE : Standard Shapes, Sizes and Textures			
SHAPE	SIZE	SURFACE TEXTURES	OPTIONS
 Rectangle	$4" \times 8" \times 3/4"$ (100 x 200 x 18 mm) $4" \times 8" \times 5/8"$ (100 x 200 x 15 mm)	R10, R11, R12, R13	<u>Bullnose (45°)</u> <u>Tilt Up (45°)</u> Firesealed
 Hexagon	$4" \times 3/4"$ (100 x 18 mm) $4" \times 5/8"$ (100 x 15 mm)	R10, R11, R12, R13	Firesealed
 Cove Base	$4" \times 8" \times 3/8"$ (100 x 200 x 10 mm) $4" \times 6" \times 3/8"$ (100 x 150 x 10 mm)	Smooth	<u>Flat Top</u> <u>Chamfer Top</u>
 Wall Tile	$4" \times 8" \times 7/16"$ (100 x 200 x 11 mm) $6" \times 6" \times 7/16"$ (150 x 150 x 11 mm) $8" \times 8" \times 7/16"$ (200 x 200 x 11 mm) $12" \times 12" \times 7/16"$ (300 x 300 x 11 mm)	Smooth	<u>Bullnose - Single</u> <u>Bullnose - Double</u>

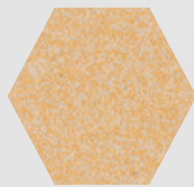
## FULLY VITRIFIED TILE : STANDARD COLORS



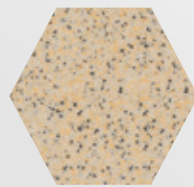
Oxide Red



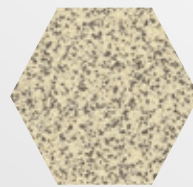
Yellow Uniform



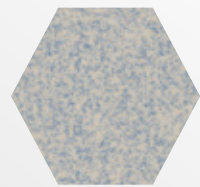
Cream Yellow Mix



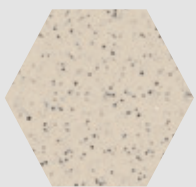
Sahara



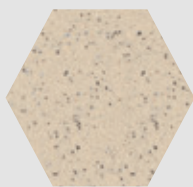
Beige Mix



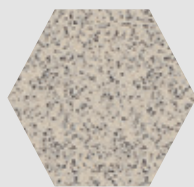
Blue Mix



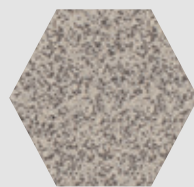
White Mix



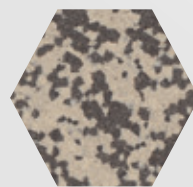
Titanite



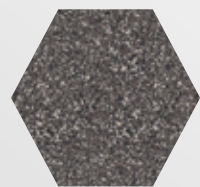
Caracas



Grey-White Mix



Grey Porphyry



Orinoco

# CLINKER & VITRIFIED PAVERS

**VITRIFIED CLINKER TILE** offers the versatility of an industrial ceramic positioned between fully vitrified tile and vitrified pavers. Blome Vitrified Clinker tiles provide a combination of outstanding chemical and mechanical performance, including the added safety of a proprietary slip resistant surface. Blome Vitrified Clinker Tile are manufactured in brick red color with exacting dimensional tolerances that allow for a superior ceramic unit to be used for quick turn-around brick and quarry tile floor repairs and renovations.



Brick / SF Red – R12 Surface

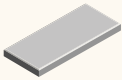

## VITRIFIED CLINKER TILE : Standard Shapes, Sizes and Textures

SHAPE	SIZE	SURFACE TEXTURES	OPTIONS
 Rectangle	4" x 8" x 3/4" (98 x 198 x 20 mm)	R11, R12	<u>Bullnose</u> Brick / SF Red
 Cove Base	4" x 8" x 3/8" (98 x 198 x 10 mm)	Smooth	<u>Flat Top</u> Brick / SF Red

**VITRIFIED PAVERS** offer the robust durability of a thick ceramic unit with substantially higher physical properties and performance values than traditional brick pavers. A slightly larger footprint and outstanding dimensional tolerances give vitrified pavers an economic advantage by using less grout per square foot. Vitrified Pavers provide the perfect balance of performance and economics.



## VITRIFIED PAVERS : Standard Shapes, Sizes and Textures

SHAPE	SIZE	SURFACE TEXTURES	OPTIONS
 Rectangle	4-1/2" x 9-1/2" x 1-3/16" (115 x 240 x 30 mm) 4-1/2" x 9-1/2" x 1" (115 x 240 x 25 mm) 4-1/2" x 9-1/2" x 3/4" (115 x 240 x 18 mm)	R11, R12	<u>Bullnose</u> Brick Red Cream Beige Steel Gray
 Cove Base	4" x 9-1/2" x 3/8" (100 x 240 x 9 mm) 4.5" x 9-1/2" x 7/16" (110 x 240 x 12 mm)	Smooth	<u>Flat Top</u> Brick Red Cream Beige Steel Gray



*Surrounding You with Exceptional Protection™*

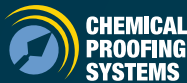
Our vast arsenal of high-performance products means that we can offer a solution specific to your immediate need or challenge. And our broad technical expertise and commitment means you can expect a dedicated partner before, during and after the job.



**TANK  
LINING  
SYSTEMS**



**ENVIRONMENTAL  
COATINGS**



**CHEMICAL  
PROOFING  
SYSTEMS**



**COMPOSITE  
STRENGTHENING  
SYSTEMS**



**VITRIFIED  
INDUSTRIAL  
CERAMICS**

**CALL US TODAY** for an expert consultation on the needs and requirements of your facility.

### **Blome International**

1450 Hoff Industrial Drive | O'Fallon, MO 63366 | USA

Office +1 636 379 9119  
Fax +1 636 409 1314  
E-mail [support@blome.com](mailto:support@blome.com)

#### **Keith Pfaff, Vice President**

Engineered Linings Specialist  
Direct +1 302 420 1332  
E-mail [keith@blome.com](mailto:keith@blome.com)

#### **Andy Bernard, President**

Direct +1 314 560 7777  
E-mail [andy@blome.com](mailto:andy@blome.com)

[www.blome.com](http://www.blome.com)

A **UMERIS** COMPANY  
ASSOCIATED POLYMERS GROUP