

VEE BRICK

THIN VENEER BRICK

HARD FIRED CLAY PRODUCT



VEE BRICK - THIN VENEER BRICK

Marion Ceramics manufactures a beautiful thin brick product line called – Vee Brick. Our thin veneer brick are 9/16" thick and available in the classic modular brick size (2 1/4" x 7 5/8" x 9/16") in fourteen attractive colors. The Vee Brick product line is extruded under high vacuum and hard fired to produce our high quality dense products. We use the finest clays, shale and other raw materials which are fine ground to produce our smooth wire cut texture. Our process results in our thin brick having excellent physical characteristics. Of course, aesthetics is just as important as the technical excellence of our thin brick. Our color palette offers the look of traditional residential brick as well as a spectrum of architectural clear tones used in commercial and institutional projects both large and small.

Our Vee Brick product line is part of a growing trend to use thin brick in both traditional ceramic wall tile type installations and in all types of wall panel systems. This shift away from traditional brick (full bed depth) masonry is being driven by economics. The use of thin brick can provide tremendous cost savings. Foundations and structural members can be down sized because of reduced weight. With many panel systems, installation labor can be reduced because panels can be made indoors, off the job site, without trained masons. Panel utilization shortens construction time and can eliminate scaffolding costs. Also, thin brick can be easily used for interior walls including back splashes where full brick would not be practical. In addition, buildings incorporating thin brick panels lend themselves to earthquake tolerant construction features. All of this is accomplished without giving up the rich look and dignity of traditional brick construction or the potential of a dramatic architectural statement featuring the vivid natural colors of our Vee Brick product line.





SIZES

Marion's Vee Brick product line is available in the modular brick size (2 1/4" x 7 5/8" x 9/16") along with matching corners. Extra care is taken in the manufacturing process to insure that the long leg of our flashed corners are a perfect match for our flashed thin brick. Also some unflashed corners are blended with flashed corners to reduce the possible zipper look at the corner of buildings.

Marion also provides several thin brick options by special order. We offer our thin brick product line in 15/16" thickness for precast panel jobs where architects are concerned with bond strength. This thickness allows these units to be further imbedded into the panels for unequaled bonding. In addition, we can produce thin brick in the closure size (3 5/8" x 7 5/8" x 9/16") along with closure corners. Our process also allows us to produce thin brick up to 2" in thickness which provides the design opportunity of wall relief dimensions. We also offer matching face brick to compliment our thin brick product line.



COLORS

Marion's Vee Brick products are available in a broad spectrum of beautiful colors all of which are compatible for color coordinating and/or contrasting design statements. Our palette of colors includes eight clear tones and one ironspot to make up our Vee Brick Classics colors. The balance make up our five Vee Brick Rustics colors all of which are naturally flashed using reduction firing techniques perfected over many years. You never have to worry your job will have the artificial look you get with chemical flashes. The hard fired colors of our Vee Brick are color fast and will not fade with exposure to sunlight and weather which occur with all pigmented cementitious thin brick. Marion Ceramics takes the extra care required to properly formulate each body and to double mix during grinding in order to maintain our color consistency.

Significantly, Marion offers factory blending of its Vee Brick to accommodate designers wanting the variegated color ranges of used brick which are so popular for residential thin brick applications. Architects can specify the percentage of each color to be included for unique special blends to produce any desired color range.





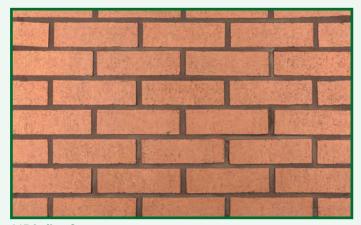
VEE BRICK CLASSICS

Vee Brick Classics colors have been developed over many years to fill the needs of homeowners and thin brick users. Our Vee Brick product line is especially popular with architects and designers because care is taken to produce a wide range of attractive colors to provide unmatched and unlimited design possibilities.

We start with traditional brick colors including two reds; our Plantation Red (200) that is exceptionally vivid and clear along with Havana Red (250) having deep reddish brown tones which match many residential face brick. We offer a chocolate brown color we call Gunstock Brown (410). We then introduced light burning raw materials to perfect our buff color- Chino (600) and our terra cotta – Sunlit Earth (610) which is also the base body used to produce our Indian Copper (615) ironspot color.

The balance of our Vee Brick Classics colors consists of three of the most beautiful architectural brick colors available including our tan – Sahara (820) and two greys- Academy Grey (760) and Cobblestone (510).

Our exceptional range of colors has proven to be especially appealing when both flashed and unflashed colors are blended.



615 Indian Copper



760 Academy Grey

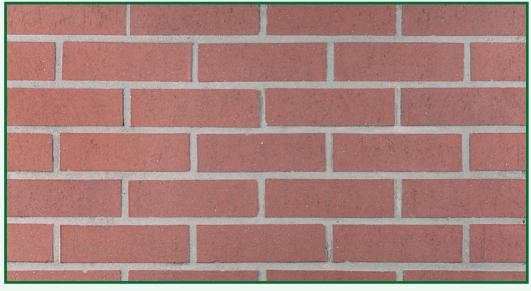


820 Sahara



510 Cobblestone

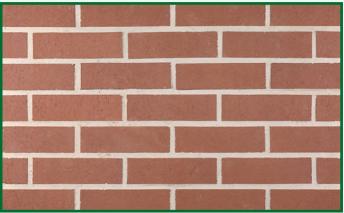




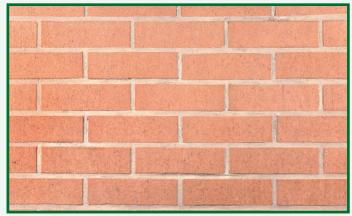
200 Plantation Red



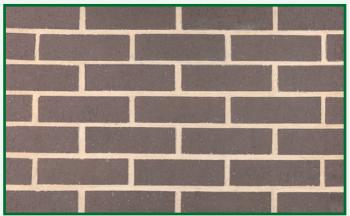
600 Chino



250 Havana Red



610 Sunlit Earth



410 Gunstock Brown



VEE BRICK RUSTICS

All of Marion's Vee Brick Rustics colors are natural gas flashed and made with the same body formulas used in the matching clear tone colors. The resulting variegated tones of these perimeter flashed colors make for a special warmth and rustic feel that can only be achieved with natural materials.

Our two reds are flashed to produce the Tavern Flash (300) and Magnum Flash (255) colors. Our brown flash is called Colonial Blend (440). The Sundance (655) is made with our buff body and Tangier (675) color is fired from our terra cotta body.

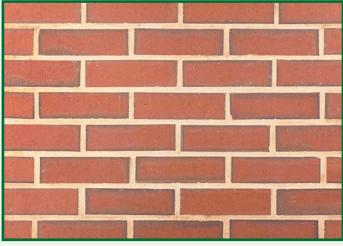
All of our colors are compatible with similarly colored residential face brick and work well with architectural and commercial projects using matching and/or contrasting face brick or other facing materials.



255 Magnum Flash



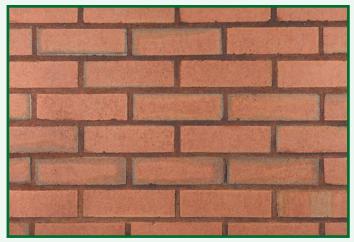
655 Sundance



300 Tavern Flash



440 Colonial Blend



675 Tangier



THIN BRICK VENEER MASONRY

The use of thin brick veneer masonry has evolved over many years. Traditionally, thin brick have been installed in the same way as ceramic wall tile i.e. on to a vertical substrate which could be masonry or a stud wall (steel or wood) interior or exterior. These types of installations continue to be used with the coursing of the veneer brick being set by a metal rack nailed to the wall, spacers or the rope method. Ceramic tile installation requirements should be followed for these types of installations.

Over the last ten years thin veneer brick have been used in precast panels very successfully. These panels are made with thin brick being placed into a flexible rubber mat which normally is affixed to sturdy plywood to form the bottom of a precast panel form. Rebar is then placed into the form into which concrete is poured, vibrated and allowed to set. When the rubber mat is removed the panel has the same appearance as set in place masonry. The most important subtlety of precast panels is the flexibility of the rubber mat. The mat should be designed to accommodate thin brick which have normal variations in dimensions. This will eliminate the very costly process of grinding each brick to an exact size which can substantially increase the cost per square foot of a panel. In addition, architects have been concerned with thin brick popping out of precast panels because the panels are being used in mid or high rise buildings and the thin brick is only 1/2" or 9/16" thick. Marion has addressed this issue by offering 15/16" thick Vee Brick which provides exceptional bonding of thin brick into a precast panel.

Jobsite cast tilt up panels are made in the same way as precast panels except that form liners are made with less expensive disposable materials. As with precast panels, both Marion's 9/16" or 15/16" thick Vee Brick work well with liner's that accept normal sizing variations.

Since the early 1970's numerous thin brick wall panel systems have been developed utilizing many different types of materials. Systems are now available with panels made from metal, insulation foam, cementitious board, masonite, plywood and composite board. Most of these systems were developed primarily for residential use both new construction and especially for remodeling. Owners, architects and builders should carefully select a system which will work best for each project.

Marion's Vee Brick can be used in all of the above described methods and is especially well suited for precast panels.

Packaging

Our Vee Brick products are stacked in cardboard trays and secured in place with a plastic strap. The cartons are then stacked on a wooden pallet. A waterproof top sheet is then placed on the pallet prior to being stretch wrapped. The resulting pallet package provides the best possible protection from the weather.



COMPLIMENTARY PRODUCTS

Brick Pavers- Marion offers brick pavers that perfectly match our Vee Brick products. Pavers come in 1/2", 15/16", 1 5/8" and 2 1/4" thickness.

Coping- Marion also produces five sizes of coping in seven of the same colors as our Vee Brick products. Coping can be used to add special architectural details to any job. In particular, our coping shapes have been used for wall and /or column caps, water tables, step treads and unique column designs in addition to pool edging.



GENERAL INFORMATION

Our thin brick product line, Vee Brick, offers a broad spectrum of beautiful colors all of which are compatible for color coordinating and/or contrasting design statements. We make every effort to ensure all aspects of our production process are closely monitored in order to maintain excellence in our products. In order to ensure your complete satisfaction with our Vee Brick it is very important that installers and owners comply with the following recommendations:

SHADING. Color variations are a natural characteristic of all fired clay products and are inherent in our Vee Brick. At the job site, we recommend mixing Vee Brick from several cartons to provide a natural blend of color shades. For jobs requiring more than one pallet, blending from cartons from each pallet is recommended. Our clear tone colors will have a slight range of color. Our flashed colors will have a wide range of color.

CORNERS. Extra care is taken in the manufacturing process to insure that the long leg of our corners do not have imperfections or cross hack marks even for flashed corners. This extra step enables Marion to produce flashed corners with the long leg matching our flat tile. Unavoidably the short legs of flashed corners do not perfectly match the long leg. It is therefore recommended for jobs utilizing our flashed colors which incorporate corners, that care be taken in selecting corners as they are installed to include unflashed units in order to avoid a zipper appearance. Marion now includes some unflashed corners which are blended into our inventory of flashed corners at the factory.

DO NOT INSTALL ANY VEE BRICK, FLATS OR CORNERS, WHICH ARE NOT SATISFACTORY IN EVERY WAY.

SIZING. Our Vee Brick are manufactured to meet or exceed ASTM C1088-94 specifications for Type TBS, Grade Exterior. Our production techniques enable us to exceed the dimensional tolerances allowed under this specification. However, it is recommended that in all Vee Brick installations, both traditional ceramic wall tile type installations and in all types of wall panel systems, that allowances be made to accommodate thin brick which have normal variations in dimensions.

INSTALLATION. It is recommended that all ceramic wall tile type installations follow the specifications set forth in the current Tile Council of America's "Handbook for Ceramic Tile Installation." In addition, after Vee Brick are installed, but before grouting, we recommend they be given either a light application of a non-color altering, water based penetrating sealer with a short napped paint roller or that an appropriate grout release product be used. After Vee Brick are grouted, final cleaning should be done with sulfamic acid crystals, followed by complete neutralization with clean, clear water. Precast panel and wall panel system installations should follow industry and manufacturer's instructions and specifications.

FAILURE TO FOLLOW RECOMMENDATIONS WILL VOID OUR WARRANTY.

Due to variations in photography and printing processes, final color selections should be made from actual product samples prior to purchase. For the nearest distributor of our products, please call us toll free at 800.845.4010 or in South Carolina 843.423.1311. Our fax number is 843.423.1515.

DISTRIBUTED BY:	

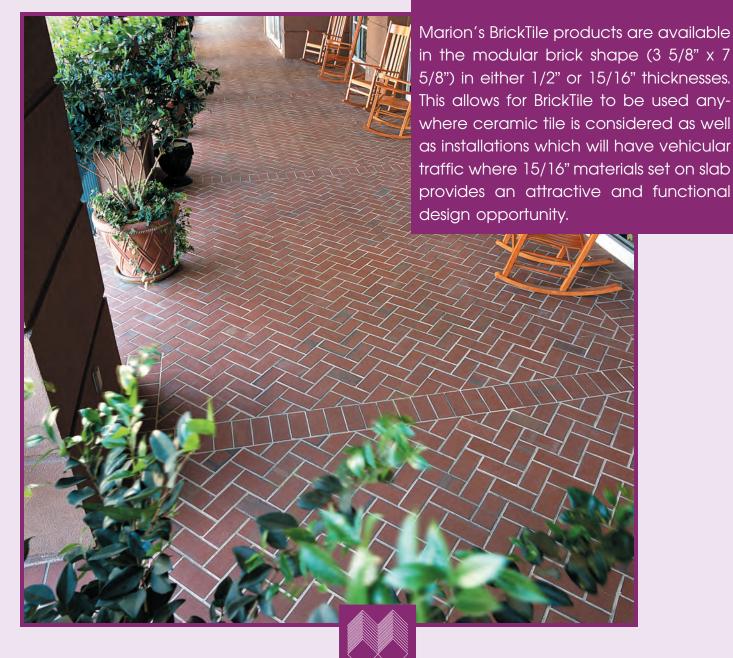


BRICKTILE - THIN BRICK PAVER TILE

The Marion Ceramics BrickTile line offers an appealing and superior alternative to quarry tile, brick pavers or concrete pavers. We use the finest clays, shale and raw materials which are fine ground to produce our smooth wirecut texture. Our texture is the perfect balance between ease of clean up smooth yet optimum in slip resistance even when wet. With our BrickTile you can avoid the danger of slippery quarry tile as well as the rough characteristics of traditional brick pavers.

Our BrickTile are extruded under high vacuum and hard fired to produce our high quality dense products. Our process results in our products having excellent physical characteristics especially when compared to concrete pavers. Of course, to designers and owners the aesthetics possible with our classic brick shape and beautiful colors is just as important

SIZES





COLORS

Marion's BrickTile products are available in a broad spectrum of fourteen beautiful colors all of which are compatible for color coordinating and/or contrasting design statements. Our palette of colors includes eight clear tones and one ironspot which make up our BrickTile Classics colors. The balance of five colors make up our BrickTile Rustics colors all of which are naturally flashed using reduction firing techniques perfected over many years. You never have to worry your job will have the artificial look you get with chemical flashes used for quarry tile. Also, you can rest assured the hard fired colors of our BrickTile are color fast and will not fade with exposure to sunlight and weather which occurs with all pigmented concrete pavers. But perhaps more importantly, you can bank on Marion Ceramics to take the extra care required to properly formulate each body and to double mix during grinding in order to maintain our color consistancy. Finally, designers will be pleased to know Marion offers factory blending which means there is endless opportunity to have any color blend imaginable available for their special index

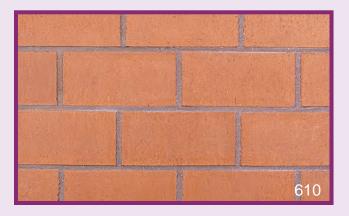
BRICKTILE CLASSICS

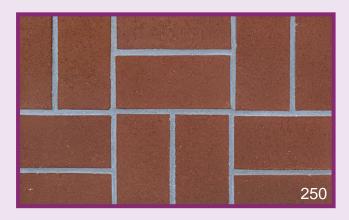
Marion's BrickTile Classics colors have been developed over many years to fill the needs of architects and designers. Care is taken to produce a wide range of attractive pleasing colors to provide unmatched and unlimited design possibilities.

We start with traditional brick colors including two reds - our Plantation Red (200) which is exceptionally vivid and clear along with Havana Red (250) having reddish brown tones which is a popular match to many residential face brick. It was only natural to offer a chocolate brown color we call Gunstock Brown (410). We then introduced light burning raw materials to perfect our buff color - Chino (600) and our terra cotta - Sunlit Earth (610) which is the base body used to produce the Indian Copper (615) ironspot color.

The balance of our BrickTile Classics colors consists of three of the most beautiful architectural brick colors including our tan-Sahara (820) and two grays - Academy Gray (760) and Cobblestone (510).

Overall, an exceptional range of colors to mix or match on any project - residential or commercial. These colors have proven to be especially attractive when used in combination







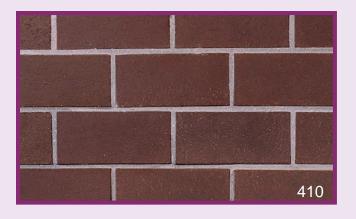














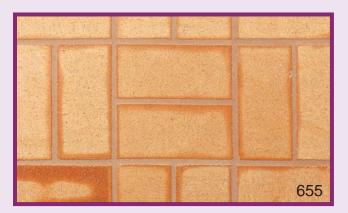


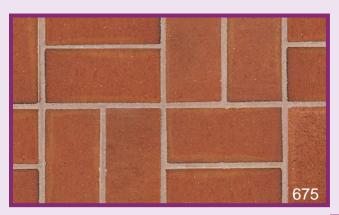
BRICKTILE RUSTICS

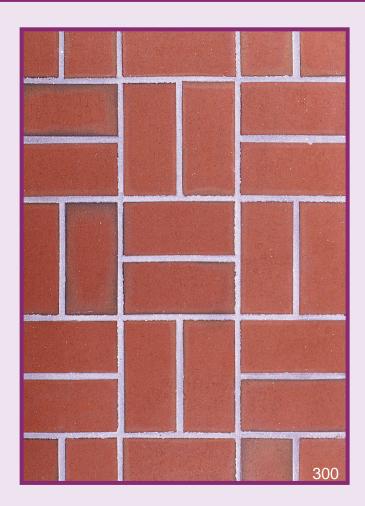
All of Marion's BrickTile Rustics colors are natural gas flashed and made from the same body formulas used in their matching clear tone colors. The resulting varigated tones make for a special warmth and rustic feel that can only be achieved with natural materials.

Our two reds are flashed to produce the Tavern Flash (300) and Magnum Flash (255) colors. Our brown flash is called Colonial Blend (440). The Sundance (655) color is made with our buff body and Tangier (675) color is fired from our terra cotta body.

All of our colors are compatible with similarly colored residential face brick and work well with architectural and com-













FEATURES

All of Marion's BrickTile products are strapped in trays for ease of jobsite handling. All pallets are stretch wrapped prior to shipping. Matching bullnose trim is available including 8", 4" and corner units. Trim for 1/2" is kept in stock with 15/16" produced upon request.



Marion offers a water based pentrating

sealer to be used for interior installations and for grout release.

For pool and patio jobs, Marion's Coping product line is available in matching colors in five sizes.

In summary, Marion's BrickTile is the most com-

plete and highest quality product line of







GENERAL INFORMATION

Our BrickTile product line offers the widest selection of sizes and colors in the industry. We make every effort to ensure all aspects of our production process are closely monitored in order to maintain excellence in our products. In order to ensure your complete satisfaction with our BrickTile it is <u>very important</u> that installers and owners comply with the following suggestions:

<u>SHADING.</u> Color variations are a natural characteristic of all fired clay products and are inherent in our BrickTile. At the job site, we recommend mixing BrickTile from several cartons to provide a natural blend of color shades. For jobs requiring more than one pallet, blending from cartons from each pallet is recommended. Our clear tone colors will have a slight range of color. Our flashed colors will have a wide range of color. DO NOT INSTALL ANY BRICKTILE WHICH IS NOT SATISFACTORY IN EVERY WAY.

<u>INSTALLATION.</u> Our BrickTile products should be installed in the same way as unglazed ceramic tile. Please consult the latest edition of the Handbook for Ceramic Tile Installation published by the Tile Council of America, Inc. Please note the importance of having a clean flat sound substrate to set BrickTiles and make sure to provide all expansion joints required for proper engineering.

GROUT JOINTS. Our BrickTile will vary in size more than quarry tile especially ground edge products. We recommend a 3/8" grout joint for our BrickTile. This will allow our BrickTile to be set in all popular patterns and avoid the problems which will result with smaller grout joints. Racks should be fabricated using samples of the production run of the actual BrickTile to be installed.

<u>SEALING.</u> We recommend that our BrickTile be sealed after installation but before grouting or that an appropriate grout release product be used. This procedure will make final cleanup easier. In addition, after grouting and final cleanup we recommend our BrickTile <u>and</u> grout joints to be resealed, especially for interior jobs.

<u>MAINTENANCE.</u> After BrickTiles are grouted, final cleaning should be done with sulfamic acid crystals, followed by complete neutralization with clean, clear water. After installation is completed our BrickTile can be maintained using Hillyard's Super Shineall product which will over time add a patina to the BrickTile.

Due to variations in photography and printing processes, final color selections should be made from actual product samples prior to purchase. FAILURE TO FOLLOW RECOMMENDATIONS WILL VOID OUR WARRANTY.

For the nearest distributor of our products, please call us toll free at 800.845.4010 or in South Carolina 843.423.1311. Our fax number is 843.423.1515.

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Hard Fired Clay Products

Marion Tumbled Products

In response to long standing requests from customers, Marion Ceramics has developed Tumbled BrickTile and Tumbled Vee Brick product lines. All tumbled products are 15/16" thick which is the optimum thickness to allow for tooling grout joints. Marion is the only manufacturer offering tumbled thin pavers and tumbled thin veneer brick. This combination of product lines has strong appeal in both the brick and tile industries.

Marion's products are tumbled after firing. These tumbled product lines are extensions of our square edge BrickTile and Vee Brick products we continue to offer. Tumbling these square edge products achieves a special rounded look of used brick which can not be duplicated in traditional face brick and paver production.

Tumbled products with white and black coatings are available on each of our five unflashed body colors. This capability is a significant subtlety for achieving the look of a truly authentic used brick product. Additionally, we are blending these products to capture the variety and appeal of flashed, unflashed, whites and/or blacks from one or more body colors. We offer standard and custom blends. The design possibilities for beautiful variegated color blends with our tumbled products are unlimited.



SQUARE EDGE AND TUMBLED PRODUCTS

Both product lines are suitable for interior or exterior applications on any project requiring the rich warm aesthetics of old used brick. We trust you will agree that Marion's tumbled products are an important breakthrough for architects, designers and owners who want to have the character of our tumbled products for either vertical veneer or horizontal paver applications.

Environmentally Friendly Products

Marion's tumbled products are environmentally friendly in several ways. First, all of our clay bodies are approximately 20% recycled materials. We fire with natural gas, the cleanest fuel available. More significantly however is the greatly reduced carbon footprint which is achieved with our thin products. As an illustration, full bed depth face brick weigh approximately 27 pounds per square foot compared to our Tumbled Vee Brick which weighs less than 8 pounds per square foot. This calculates to be 70% reduction in fuel requirements for firing and transporting these products.

Thin veneer products also contribute to the architectural movement to thinner walls which reduces resource utilization in a general way. Thin walls also are an important factor in designing earthquake tolerant buildings.

Tumbled Vee Brick

Our Tumbled Vee Brick are made using modular size 15/16 Vee Brick (2 ¼ x 7 5/8 x 15/16). NOTE: All dimensions are slightly scant after tumbling and the texture is slightly smoother. Tumbled face brick are made from standard face brick produced as part of our Vee Brick product

line. We saw cut tumbled face brick to produce 90° tumbled corners. This process enables us to perfectly blend tumbled thin brick, corners and face brick.

We offer our five body colors in both flashed and unflashed colors. In addition, we offer Tumbled Vee Brick including corners and face brick with white or black coatings on each of our basic body colors. This expands the design opportunites for developing custom blends. As with our square edge Vee Brick, our Tumbled Vee Brick are strapped in trays and set on pallets. Water resistant top sheets are placed on top of each pallet and automatically stretch wrapped. Inventories have been established in all colors and will be maintained as market conditions allow.

Also, as noted Marion offers Tumbled BrickTile which is



TUMBLED VEE BRICK PRODUCTS



WHITE/BLACK (200 BODY)

the closure size for vertical veneer brick applications. Matching closure size tumbled corners and face brick are available by special order.

Cover Photos

SUN ROOM Tumbled BrickTile Color #300 Tayern Flash



RESIDENCE Tumbled Vee Brick Color Blend: London Tavern



Tumbled Vee Brick



LONDON TAVERN (50% Color 300; 20% Color 675; 10% Color 655; 10% Color 255; 10% White/Black 200 Body)



TUSCANY~(40%~Color~675;~40%~Color~655;~10%~Color~600;~10%~White/Black~200~Body)



CHARLES TOWN (70% Color 300; 20% Color 200; 10% White/Black 200 Body)

















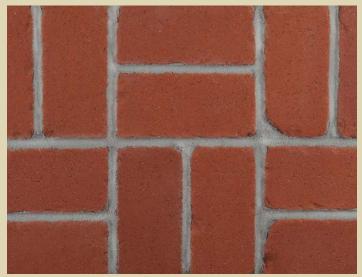




Tumbled BrickTile

Our Tumbled BrickTile are made using standard 15/16 BrickTile (3 5/8 x 7 5/8 x 15/16). NOTE: All dimensions are slightly scant after tumbling and the texture is slightly smoother. We offer our five body colors in both flashed and unflashed colors. Also, we make Tumbled Bricktile with white and black coatings in each of our five body colors. This optimizes design opportunities for developing custom blends. NOTE: Blends with a high percentage of White/Black pavers should be limited to low abrasion applications. Our Tumbled BrickTile are strapped in trays for ease of handling. Water resistant top sheets are placed on each pallet prior to being stretch wrapped. Every effort is made to maintain inventory in all Tumbled BrickTile products.

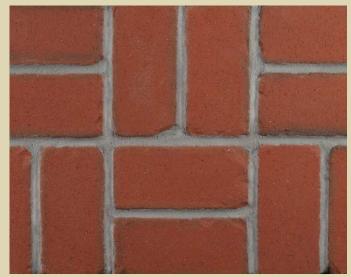
Importantly, architects, designers and owners should keep in mind that Tumbled BrickTile work well for driveways with proper bonding to a rigid base (slab). The design possibilities are unlimited and offer a wonderful alternative to imperfect flexible base installations or the dull monotone of a concrete slab.



200 PLANTATION RED



MOJAVE DESERT (50% Color 655; 50% Color 675)



300 TAVERN FLASH



WHITE/BLACK (200 BODY)





General Information

Marion's tumbled products offer the most authentic duplication of genuine used brick in the industry. In order to ensure your complete satisfaction with our tumbled products it is very important that installers and owners comply with the following recommendations:

<u>INSTALLATION</u>. Our tumbled products should be installed according to specifications set forth in the current Tile Council of America's "Handbook for Ceramic Tile Installation" following instructions set forth for various jobsite configurations and situations. Please note the importance of having a clean, flat or plumb, sound, substrate to set our tumbled products and make sure to provide all expansion joints required for proper engineering. We recommend a minimum of 3/8" grout or mortar joint for our tumbled products. In addition, our Tumbled Vee Brick can be installed in all types of wall panel systems in accordance with each system manufacturer's recommendations.

DO NOT INSTALL ANY MARION PRODUCTS WHICH ARE NOT SATISFACTORY IN EVERY WAY.

SHADING. Color variations are a natural characteristic of all fired clay products and are inherent in our tumbled products. At the job site, we recommend mixing our products from at least 3 cartons to provide a natural blend of color shades. For jobs requiring more than one pallet, blending from cartons from multiple pallets is recommended. Our clear tone colors will have a slight range of color. Our flashed colors will have a wide range of color. Also, due to the many variables inherent in fire flashing, each run of our flash colors is unique and will vary somewhat from run to run.

<u>CORNERS</u>. Extra care is taken in the manufacturing process to insure that the long leg of our corners do not have imperfections or cross hack marks even for flashed corners. This extra step enables Marion to produce flashed corners with the long leg matching our flat tile. Unavoidably the short legs of flashed corners do not perfectly match the long leg. It is therefore recommended, for jobs utilizing our flashed colors which incorporate corners, that care be taken in selecting corners as they are installed to include unflashed units provided in order to avoid a zipper appearance. All Marion's flashed corners inventory includes unflashed units.

<u>SIZING</u>. Our tumbled products meet or exceed sizing tolerances set forth in ASTM C-902 Type PS and ASTM C-1088 Type TBS respectively. NOTE: All Dimensions are slightly scant after tumbling. As with our square edge products, all other C-902 and C-1088 specifications are met or exceeded with tumbled products except for chippage.

GROUTING AND SEALING. After our tumbled products are installed, but before grouting, we recommend they be given either a light application of a non color-altering, water based penetrating sealer with a short napped paint roller or that an appropriate grout release product be used. This procedure will make final cleanup easier. After our tumbled products are grouted, final cleaning should be done with sulfamic acid crystals, followed by complete neutralization with clean, clear water. After clean up, sealing our tumbled products is optional.

<u>MAINTENANCE</u>. After installation our tumbled products can be maintained using Hillyard's Super Shineall products which will add a patina to our products or any mild detergent cleaner. Under no circumstance should high pressure be used for cleaning or maintaining these products.

FAILURE TO FOLLOW RECOMMENDATIONS WILL VOID OUR WARRANTY.

Due to variations in photography and printing processes, final color selections should be made from actual product samples prior to purchase. For the nearest distributor of our products please check our web site marionceramics.com or call us 800.845.4010 or in South Carolina 843.423.1311