



# MCA... Timeless Beauty

THE LEADER IN THE CLAY ROOF TILE INDUSTRY IN THE U.S.A.



Wedding Rotunda, Pelican Hill, Newport Coast, CA



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With over a century of experience, MCA has progressively developed expertise in transforming rich, red clay into sophisticated clay roofing tiles, offering homeowners, builders, and architects alike, distinctive roofing options.

MCA is a leader in innovation and invention, applying new technology to an old-world art. Historical Tile, Turret Tile®, and Dome Tile are only a few examples of MCA's revolutionary product lines, created to meet almost any design specification.



MCA has consistently been at the forefront of environmentally friendly and energy efficient clay roof products. MCA clay tiles also meet many standards defined by the US Green Building Counsel's LEED program, contributing to LEED qualifying projects.

In addition to superior quality tile, MCA's outstanding customer service provides contractors, homeowners, architects, designers and everyone in between with exceptional technical support.

A commitment to quality, a broad range of clay tile products, and a dedication to provide the best products possible while competitively priced, makes MCA the leader in the clay roof tile industry in the U.S.A.

This newly updated General Catalog contains MCA Clay Roof Tile's wide selection of styles, textures, colors, and blends. Fully illustrated, this brochure includes profile dimensions, color selections, and Cool Roof information. After choosing a specific style, please refer to our individual product brochures for more detailed information. To request additional brochures, contact the MCA Sales Office at 800-736-6221, email to [sales@mca-tile.com](mailto:sales@mca-tile.com), or visit our website at [www.mca-tile.com](http://www.mca-tile.com).





Stone Creek Ranch, La Quinta, CA - 2/3 B317-R Taupe Smoke Blend, 1/3 B340-R Vintage Red Blend





Stone Creek Ranch, La Quinta, CA, 2/3 B317-R Taupe Smoke Blend,  
1/3 B340-R Vintage Red Blend



Recreation Center, Turret Tile, F45 Tobacco,  
F40 Natural Red, 2F43 Brick Red



Gold Nugget Award Winner – Photo Provided Courtesy of Andrew Pierce Builders, Palm Desert, CA, Two-Piece Corona Tapered Mission – Custom Blend CB227-R





Custom House, HI, Two Piece Mission, B305 Weathered Green



Custom House, HI, One Piece "S" Mission, B335 Aloha Blend





Pacific Highlands Ranch Fire Station, San Diego, CA, 75% B301 Old Mission Blend and 25% 2F34 Carmel



Club House, Lake Las Vegas, NV, B301 Old Mission Blend® with Turret Tile®





Hyatt Regency, Huntington Beach, CA One Piece "S" Mission, B301 Old Mission Blend



Eleanor Roosevelt High School, Corona, CA, One Piece "S" Mission, Custom Blend





Port Europe, Wakayama Marine Resort in Japan. This project utilized various sizes of two piece mission tiles with custom blends.









Custom House, Southern CA. Custom Blend









Terranea Resort, Rancho Palos Verdes, CA, Various Custom Blends, Two Piece Eave to One Piece S installation



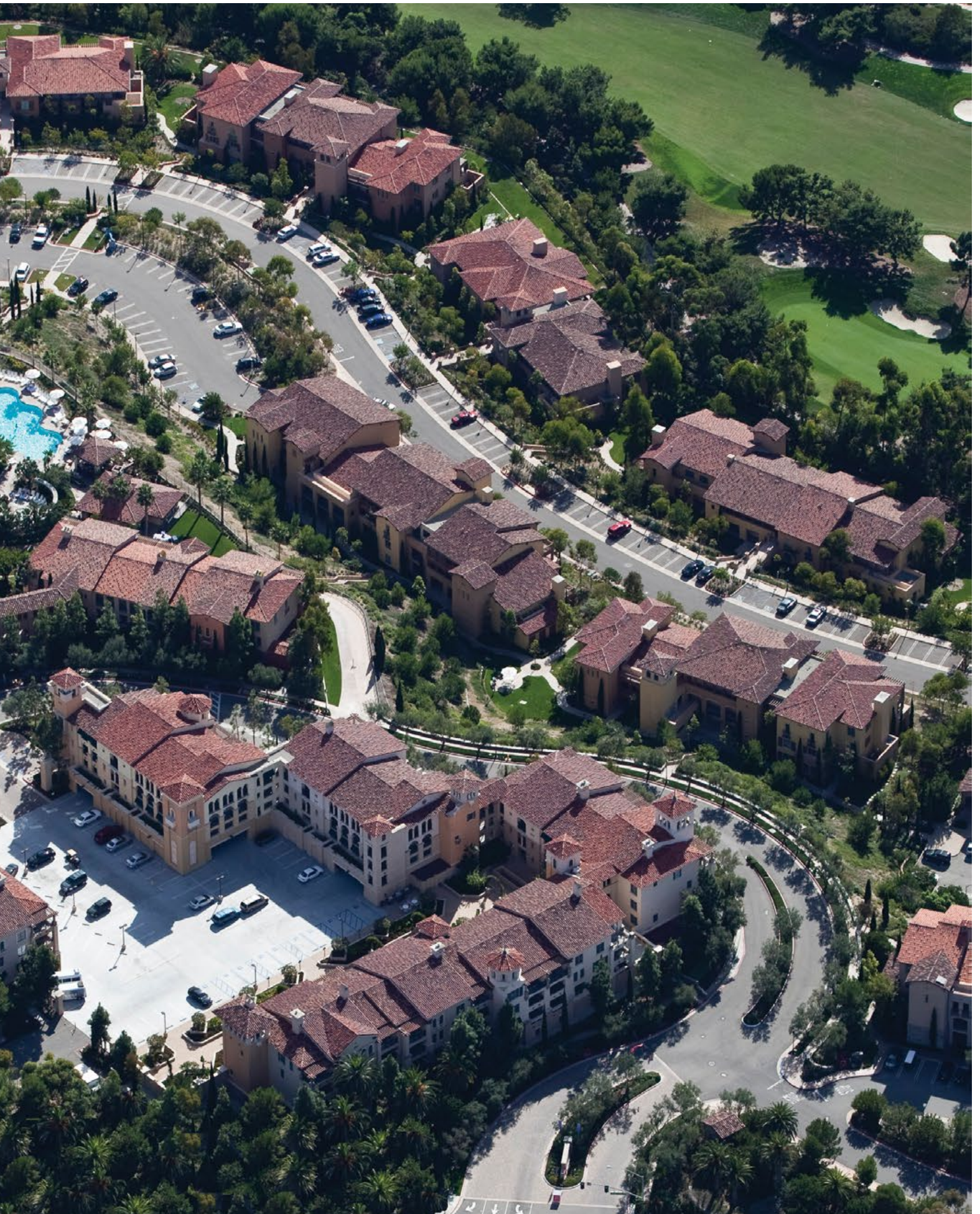






Marriott Newport Coast Villas, Newport Coast, CA, Various Custom Blends









Custom Residence, Riverside, CA: B301 Old Mission Blend

## One Piece "S" Mission™ Tile

Over 100 years of experience has allowed MCA to produce a superior tile that will last for generations. Having only 75 pieces of tile per square, the One Piece "S" style is a tremendous labor saving product. It is widely used on residential, commercial, military and institutional buildings.

One Piece "S" Mission tile is available in a great selection of colors and blends. In addition, the One Piece "S" tile's natural ventilation properties translate into cooler attic temperatures in summer and warmer temperatures in winter. Energy efficient and labor saving, One Piece "S" Mission is the best clay roof tile value in the industry.

One Piece "S" Mission tile is made in the USA and is ASTM C1167 Grade 1, the highest quality available. It is competitively priced and backed by a 50-year limited warranty.

For more information, please contact MCA Sales office at 1-800-736-6221 or email [sales@mca-tile.com](mailto:sales@mca-tile.com).

### CC/CODES, CERTIFICATIONS

- IAPMO UES ER-356\*
- TDI Approval RC-21
- Florida Building Code, FL22539.7
- Miami-Dade County, FL NOA No. 19-1021.27 (Exp. 07/11/22)
- Class A, E108 (UL790)
- ASTM C1167 Grade 1
- Made in USA



### TILE SPECIFICATIONS:

Actual size:	19" x 14.5"
Exposed size:	16" x 12" O.C.
Weight per square:	788 lbs.
Weight per piece:	10.5 lbs.
No. of pieces per sq:	75 pcs

### METRIC TILE SPECIFICATIONS:

Actual size:	483mm x 356mm
Exposed size:	406mm x 305mm O.C.
Weight per M2:	38 kg.
Weight per piece:	4.8 kg.
No. of pieces per square:	8.0 pcs.

Metric conversion of lumber is actual dimensions of lumber; use lumber of the closest dimensions available.

\*Dimension of the head of the tile.





**F40 Natural Red**  
Solar Reflectance Avg. - 0.45  
Thermal Emittance Avg. - 0.88



**2F43 Brick Red**  
Solar Reflectance Avg. - 0.42  
Thermal Emittance Avg. - 0.84



**2F23 Canyon Red**  
Solar Reflectance Avg. - 0.36  
Thermal Emittance Avg. - 0.88



**B202 Desert Blend**  
Solar Reflectance Avg. - 0.42  
Thermal Emittance Avg. - 0.87



**B301 Old Mission Blend**  
Solar Reflectance Avg. - 0.42  
Thermal Emittance Avg. - 0.86



**B307 Mediterranean Blend**  
Solar Reflectance Avg. - 0.58  
Thermal Emittance Avg. - 0.84



**B308 Canyon Red Blend**  
Solar Reflectance Avg. - 0.38  
Thermal Emittance Avg. - 0.85



**B330-R Old Santa Barbara Blend**  
Solar Reflectance Avg. - 0.33  
Thermal Emittance Avg. - 0.84



**B305 Weathered Green Blend**  
Solar Reflectance Avg. - 0.43  
Thermal Emittance Avg. - 0.82

NOTE: Some tiles may have slight variations in color due to the inherent nature of clay tile and the limitations of the lithographic printing process.





**B317-R** Taupe Smoke Blend  
Solar Reflectance Avg. - 0.34  
Thermal Emittance Avg. - 0.86



**B334-R** Rustic Smoke Blend  
Solar Reflectance Avg. - 0.43  
Thermal Emittance Avg. - 0.82



**B318-R** Café Rustic Blend  
Solar Reflectance Avg. - 0.37  
Thermal Emittance Avg. - 0.86



**B340-R** Vintage Red Blend  
Solar Reflectance Avg. - 0.29  
Thermal Emittance Avg. - 0.84



**B320-R** Rustic Red Blend  
Solar Reflectance Avg. - 0.35  
Thermal Emittance Avg. - 0.84



**B322** Santa Maria Blend  
Solar Reflectance Avg. - 0.40  
Thermal Emittance Avg. - 0.84



**B412** La Paz Blend  
Solar Reflectance Avg. - 0.39  
Thermal Emittance Avg. - 0.85



**B220** Madrid Blend  
Solar Reflectance Avg. - 0.25  
Thermal Emittance Avg. - 0.84



**B351** San Ramon Blend  
Solar Reflectance Avg. - 0.34  
Thermal Emittance Avg. - 0.85

NOTE: Some tiles may have slight variations in color due to the inherent nature of clay tile and the limitations of the lithographic printing process.



# Color Selection



White Buff Crown Flash  
**F44**  
Solar Reflectance - 0.76  
Thermal Emittance - 0.84



Peach Buff Crown Flash  
**F47**  
Solar Reflectance - 0.52  
Thermal Emittance - 0.82



Rustic Red Blend  
**B320-R**  
*Light, Medium, and Dark Variations*  
Solar Reflectance - 0.34  
Thermal Emittance - 0.84



Carmel  
**2F34**  
Solar Reflectance - 0.35  
Thermal Emittance - 0.82



Natural Red  
**F40**  
Solar Reflectance - 0.45  
Thermal Emittance - 0.88



Brick Red  
**2F43**  
Solar Reflectance - 0.42  
Thermal Emittance - 0.84



Canyon Red Crown Flash  
**F23**  
Solar Reflectance - 0.38  
Thermal Emittance - 0.84



Canyon Red  
**2F23**  
Solar Reflectance - 0.36  
Thermal Emittance - 0.88



Burnt Sienna Crown Flash  
**F22**  
Solar Reflectance - 0.31  
Thermal Emittance - 0.84



Burnt Sienna  
**2F22**  
Solar Reflectance - 0.25  
Thermal Emittance - 0.84



Café Rustic Blend  
**B318-R**  
*Light, Medium, and Dark Variations*  
Solar Reflectance - 0.37  
Thermal Emittance - 0.96



Weathered Green Blend  
**B305**  
*Light, Medium, and Dark Variations*  
Solar Reflectance - 0.43  
Thermal Emittance - 0.82



Old Santa Barbara Blend  
**B330-R**  
*Light, Medium, and Dark Variations*  
Solar Reflectance - 0.33  
Thermal Emittance - 0.84



Vintage Red Medium  
**CC139M-R**  
Solar Reflectance - 0.30  
Thermal Emittance - 0.82



Tobacco Crown Flash  
**F45**  
Solar Reflectance - 0.38  
Thermal Emittance - 0.85



Tobacco  
**2F45**  
Solar Reflectance - 0.42  
Thermal Emittance - 0.86



Taupe Smoke Blend  
**B317-R**  
*Light, Medium, and Dark Variations*  
Solar Reflectance - 0.34  
Thermal Emittance - 0.86



Carbon Crown Flash  
**F28**  
Solar Reflectance - 0.33  
Thermal Emittance - 0.83



Mahogany  
**2F72**  
Solar Reflectance - 0.27  
Thermal Emittance - 0.85



Ironwood  
**2F19**  
Solar Reflectance - 0.28  
Thermal Emittance - 0.83

NOTE: Some tiles may have slight variations in color due to the inherent nature of clay tile and the limitations of the lithographic printing process.





Arista at the Crosby by Davidson Homes, Rancho Santa Fe, CA. Roof Tile Color Selected by Studio Conover : Color, B320-R Rustic Red Blend

## Classic "S" Mission™ Tile

MCA is proud to announce the most recent addition to our standard tile profile lines- our Classic "S" Mission Tile.

Classic "S" Mission offers a true two-piece tile look while offering the installation and weight savings of a standard "S" tile. Classic "S" installed with a two-piece eave line will astound you with the almost unbelievable look of two piece tile. Fooling all but the most experienced, "only your roofer will know for sure...."

Classic "S" Mission tile is available in Natural Red or in an array of colors, blends and textures, including sand cast, to create a signature roof for your custom home or project.

Classic "S" can qualify for LEED points and save the end user money and energy. A 50-Year Limited Warranty is available on all M.C.A. Tiles.

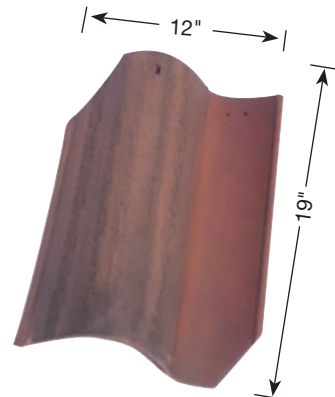
For more information, please contact MCA Sales office at 1-800-736-6221 or email [sales@mca-tile.com](mailto:sales@mca-tile.com).

### CC/CODES, CERTIFICATIONS

- IAPMO UES ER-356\*
- TDI Approval RC-21
- Florida Building Code, FL22539.3
- Miami-Dade County, FL NOA No. 17.0329.12 (Exp. 02/16/22)
- Class A, E108 (UL790)
- ASTM C1167 Grade 1
- Made in USA



\*IAPMO UES Evaluation Report covers City of Los Angeles and is in lieu of ICC-ES



### TILE SPECIFICATIONS:

Actual size:	19" x 12"
Exposed size:	16" x 10" O.C.
Weight per square:	788 lbs.
Weight per piece:	8.75 lbs.
No. of pieces per sq:	90 pcs

### METRIC TILE SPECIFICATIONS:

Actual size:	483mm x 305mm
Exposed size:	408mm x 254mm O.C.
Weight per M2:	35.56 kg/m2
Weight per piece:	3.67 kg.
No. of pieces per square:	9.69 pcs/M2

Metric conversion of lumber is actual dimensions of lumber; use lumber of the closest dimensions available.

\*Dimension of the head of the tile.

US Patent No. D650096





**B330-R** Old Santa Barbara  
Blend  
Solar Reflectance Avg. - 0.33  
Thermal Emittance Avg. - 0.84



**B318-R** Café Rustic  
Blend  
Solar Reflectance Avg. - 0.37  
Thermal Emittance Avg. - 0.89



**B340-R** Vintage Red  
Blend  
Solar Reflectance Avg. - 0.30  
Thermal Emittance Avg. - 0.84



**B332-R** Houstonian  
Blend  
Solar Reflectance Avg. - 0.34  
Thermal Emittance Avg. - 0.84



**B320-R** Rustic Red  
Blend  
Solar Reflectance Avg. - 0.38  
Thermal Emittance Avg. - 0.84



**B317-R** Taupe  
Smoke Blend  
Solar Reflectance Avg. - 0.29  
Thermal Emittance Avg. - 0.84



**CB364-R** Vintage  
Carmel Blend



**CB389-SC** Marco Blend

NOTE: Some tiles may have slight variations in color due to the inherent nature of clay tile and the limitations of the lithographic printing process.





Marriott's Newport Coast Villas, Newport Coast, CA - 4 Different Custom Blends: CB228-R, CB227-R, CB301-R, CB233-R

## Corona Tapered Mission™ Tile

The most popular two-piece clay roof tile in the industry, Corona Tapered Mission tile brings the traditional beauty and warmth of Tuscan or Hacienda design to any project. Add distinction and style to custom homes and commercial buildings with this versatile clay tile. Combined with MCA's Turret Tile®, the appeal of Corona Tapered Mission Tile is extraordinary.

Build Green and earn LEED points with MCA's Corona Tapered Mission Tile. 60% of MCA's clay content is pre-consumer recycled material.



Corona Tapered Mission Tile is made in the USA and is ASTM C1167 Grade 1, the highest quality available, meeting all freeze/thaw and salt intrusion conditions. It is competitively priced and backed by a 50-year limited warranty.

For more information, please contact MCA sales office at 1-800-736-6221 or visit the website at [www.mca-tile.com](http://www.mca-tile.com).

### CC/CODES, CERTIFICATIONS

- IAPMO UES ER-356\*
- TDI Approval RC-21
- Florida Building Code, FL22539.4
- Miami-Dade County, FL NOA No. 19-1021.26 (Exp. 02/16/22)
- Class A, E108 (UL790)
- ASTM C1167 Grade 1
- Made in USA



\* IAPMO UES Evaluation Report covers City of Los Angeles and is in lieu of ICC-ES



### TILE SPECIFICATIONS:

Actual size:	19" x 8.71" (5.94")*
Exposed size:	16" x 12" O.C.
Weight per square:	1050 lbs
Weight per piece:	7 lbs
No. of pieces per sq:	150 pcs

### METRIC TILE SPECIFICATIONS:

Actual size:	483mm x 222mm (151mm)*
Exposed size:	406mm x 305mm
Weight per M2:	51.27 kg
Weight per piece:	3.18 kg
No. of pieces per M2:	16.15 pcs

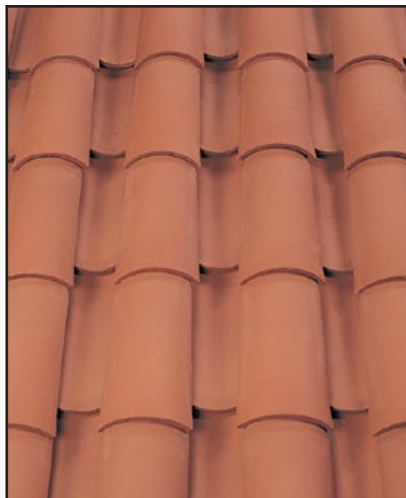
Metric conversion of lumber is actual dimensions of lumber; use lumber of the closest dimensions available.

\*Dimension of the head of the tile.





**F40 Natural Red**  
Solar Reflectance Avg. - 0.45  
Thermal Emittance Avg. - 0.88



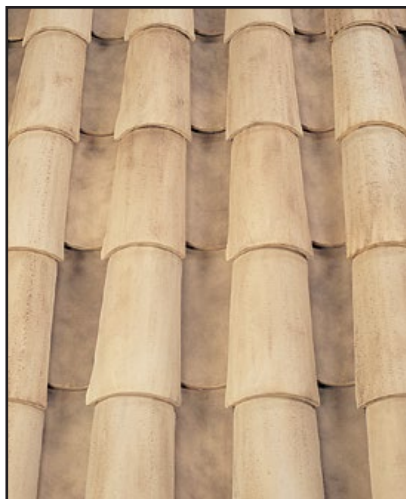
**2F43 Brick Red**  
Solar Reflectance Avg. - 0.42  
Thermal Emittance Avg. - 0.84



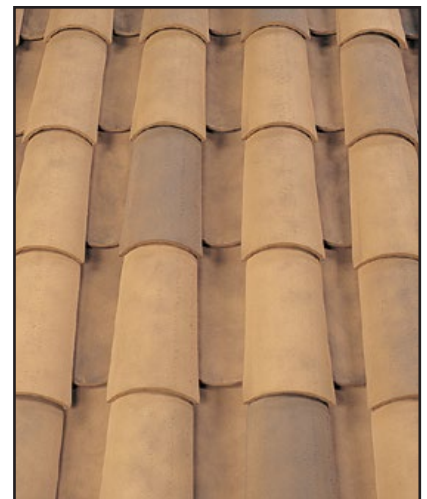
**2F23 Canyon Red**  
Solar Reflectance Avg. - 0.36  
Thermal Emittance Avg. - 0.88



**2F34 Carmel**  
Solar Reflectance Avg. - 0.35  
Thermal Emittance Avg. - 0.82



**B319-R Ivory Smoke Blend**  
Solar Reflectance Avg. - 0.43  
Thermal Emittance Avg. - 0.82



**B331-R Zorro Blend**  
Solar Reflectance Avg. - 0.42  
Thermal Emittance Avg. - 0.83



**B320-R Rustic Red Blend**  
Solar Reflectance Avg. - 0.38  
Thermal Emittance Avg. - 0.84



**B332-R Houstonian Blend**  
Solar Reflectance Avg. - 0.34  
Thermal Emittance Avg. - 0.84



**B327 Old Saguaro Blend**  
Solar Reflectance Avg. - 0.40  
Thermal Emittance Avg. - 0.83

NOTE: Some tiles may have slight variations in color due to the inherent nature of clay tile and the limitations of the lithographic printing process.





**B301** Old Mission Blend®  
Solar Reflectance Avg. - 0.42  
Thermal Emittance Avg. - 0.86



**B308** Canyon Red Blend  
Solar Reflectance Avg. - 0.38  
Thermal Emittance Avg. - 0.85



**B322** Santa Maria Blend  
Solar Reflectance Avg. - 0.38  
Thermal Emittance Avg. - 0.86



**B220** Madrid Blend  
Solar Reflectance Avg. - 0.25  
Thermal Emittance Avg. - 0.84



**B330-R** Old Santa Barbara  
Blend  
Solar Reflectance Avg. - 0.33  
Thermal Emittance Avg. - 0.84



**B340-R** Vintage Red Blend  
Solar Reflectance Avg. - 0.30  
Thermal Emittance Avg. - 0.82



**B318-R** Cafe Rustic Blend  
Solar Reflectance Avg. - 0.37  
Thermal Emittance Avg. - 0.89



**B351** San Ramon Blend  
Solar Reflectance Avg. - 0.34  
Thermal Emittance Avg. - 0.84



**B323** Ironwood Blend  
Solar Reflectance Avg. - 0.36  
Thermal Emittance Avg. - 0.85

NOTE: Some tiles may have slight variations in color due to the inherent nature of clay tile and the limitations of the lithographic printing process.



# Color Selection



**Ivory Smoke Blend  
B319-R**

*Light, Medium, and Dark Variations*  
Solar Reflectance - 0.43  
Thermal Emittance - 0.82



**Rustic Red Blend  
B320-R**

*Light, Medium, and Dark Variations*  
Solar Reflectance - 0.38  
Thermal Emittance - 0.84



**Cafe Rustic Blend  
B318-R**

*Light, Medium, and Dark Variations*  
Solar Reflectance - 0.37  
Thermal Emittance - 0.89



**Weathered Green Blend  
B305**

*Light, Medium, and Dark Variations*  
Solar Reflectance - 0.43  
Thermal Emittance - 0.82



**Zorro Blend  
B331-R**

*Light, Medium, and Dark Variations*  
Solar Reflectance - 0.42  
Thermal Emittance - 0.83



**Old Santa Barbara Blend  
B330-R**

*Light, Medium, and Dark Variations*  
Solar Reflectance - 0.33  
Thermal Emittance - 0.84



**Natural Red  
F40**

Solar Reflectance - 0.45  
Thermal Emittance - 0.88

**Cinnamon  
2F18**

Solar Reflectance - 0.35  
Thermal Emittance - 0.97

**Brick Red  
2F43**

Solar Reflectance - 0.42  
Thermal Emittance - 0.84

**Antique Black Flash  
F42**

Solar Reflectance - 0.31  
Thermal Emittance - 0.84

**Tobacco  
2F45**

Solar Reflectance - 0.42  
Thermal Emittance - 0.86

**Canyon Red  
2F23**

Solar Reflectance - 0.36  
Thermal Emittance - 0.88



**Carmel  
2F34**

Solar Reflectance - 0.35  
Thermal Emittance - 0.82

**Mahogany  
2F72**

Solar Reflectance - 0.27  
Thermal Emittance - 0.85

**Vintage Red Medium  
CC139M-R**

Solar Reflectance - 0.30  
Thermal Emittance - 0.82

**Burnt Sienna  
2F22**

Solar Reflectance - 0.31  
Thermal Emittance - 0.84

**Ironwood  
2F19**

Solar Reflectance - 0.28  
Thermal Emittance - 0.83

**Carbon  
2F28**

Solar Reflectance - 0.29  
Thermal Emittance - 0.83

NOTE: Some tiles may have slight variations in color due to the inherent nature of clay tile and the limitations of the lithographic printing process.





Custom Residence –Laguna Hills, CA Blend consists of 36% CF204-SC, 18% 2F45-SC, 18% CF51-SC, 18% RB01-SC, 10% 2F99-SC

## Classic Tapered Mission™ Tile

Combining a high crown and narrow profile with rustic colors and textures, Classic Tapered Mission™ tile radiates old world charm. Available in many textures, including popular Sand Cast and Vintage, this tile has been used on many custom homes and commercial buildings, as well as restorations of historical buildings. Choose from our Designer's Selection or create your own custom blend.

Classic Tapered Mission™ tile is made in the USA and is ASTM C1167 Grade 1, the highest quality clay roof product available. Competitively priced, this product is also backed by a 50-year limited warranty.

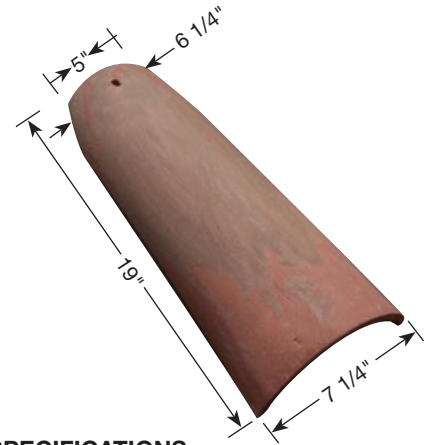
For more information, please contact MCA sales office at 1-800-736-6221 or [sales@mca-tile.com](mailto:sales@mca-tile.com).

### CC/CODES, CERTIFICATIONS

- IAPMO UES ER-356\*
- TDI Approval RC-21
- Florida Building Code, FL22539.1
- Miami-Dade County, FL NOA No. 19-1021.26 (Exp. 02/16/22)
- Class A, E108 (UL790)
- ASTM C1167 Grade 1
- Made in USA



\*IAPMO UES Evaluation Report covers City of Los Angeles and is in lieu of ICC-ES



### TILE SPECIFICATIONS:

Actual size:	19" x 7 1/4" (5")
Exposed size:	16" x 10" O.C.
Weight per square:	990 lbs.
Weight per piece:	5.5 lbs.
No. of pieces per sq:	180

### METRIC TILE SPECIFICATIONS:

Actual size:	483mm x 184mm (127m)
Exposed size:	406mm x 254mm O.C.
Weight per M2:	48.34 kg.
Weight per piece:	2.49 kg.
No. of pieces per M2:	19.38

Metric conversion of lumber is actual dimensions of lumber; use lumber of the closest dimensions available.

\*Dimension of the head of the tile.





**CB383-R** Teja Bianco Blend



**F46-MSC** Veneto Diore Blend



**F4645-MSC** Tuscan Gold Blend



**CB387-SC** Solare Blend



**2F43-S** Rosso Anitco Blend



**CB360-SC** Café Mocca Blend



**CB364-R** Vintage Carmel Blend



**2F43-MSC** Villa Rosso Blend



**2F45-MSC** Tierra Brown Blend

NOTE: Some tiles may have slight variations in color due to the inherent nature of clay tile and the limitations of the lithographic printing process.





**CB414-SC** Arena Dorada  
Blend



**CB415-SC** Teja Viejo Blend



**CB428-R** Doheny Blend



**CB404-SC** Laguna del Monte  
Blend



**CB389-SC** Marco Blend



**CB421-SC** Puerto Nuevo  
Blend



**CB419-SC** Adobe Antigua  
Blend



**CB417-SC** Casa Antigua  
Blend



**CB416-SC** Café Viejo Blend

NOTE: Some tiles may have slight variations in color due to the inherent nature of clay tile and the limitations of the lithographic printing process.





Teja Bianco Blend  
**CB383-R**  
*Light, Medium, and Dark Variations*



Veneto Dioces Blend  
**F46-MSC**  
*Light, Medium, and Dark Variations*



Tuscan Gold Blend  
**F4645-MSC**  
*Light, Medium, and Dark Variations*



Solare Blend  
**CB387-SC**  
*Light, Medium, and Dark Variations*



Rosso Antico Blend  
**2F43-S**  
*Light, Medium, and Dark Variations*



Vintage Green Blend  
**CB388-R**  
*Light, Medium, and Dark Variations*



Café Mocca Blend  
**CB360-SC**  
*Light, Medium, and Dark Variations*



Vintage Carmel Blend  
**CB364-R**  
*Light, Medium, and Dark Variations*



Villa Rosso Blend  
**2F43-MSC**  
*Light, Medium, and Dark Variations*



Tierra Brown Blend  
**2F45-MSC**  
*Light, Medium, and Dark Variations*



NOTE: Some tiles may have slight variations in color due to the inherent nature of clay tile and the limitations of the lithographic printing process.





CB399 Agoura Hills Blend (Tops: 2F19, 30%, B330-R 30%, 2F45 20%, F40 20%, Pans: 2F45 60%, F40 40%) Agoura Hills, CA

## Roman Pan Tile

Roman Pan Tile is truly an architectural legacy of Ancient Roman and Greek artistic design. Re-creating this traditional flat Roman Pan and pairing it with high-crown Classic Tapered Mission Tops, MCA captures this timeless architecture for both commercial and custom residential projects.

Available in a variety of textures, including popular Sand Cast and Vintage, MCA Roman Pan Tile adds an inviting Tuscan look to any building. Choose from our Designer's Blends, or create your own custom blend.

MCA Roman Pan Tile is made in the USA and is ASTM C1167 Grade 1, the highest quality clay product available.

Competitively priced, this product is also backed by a 50-year limited warranty.

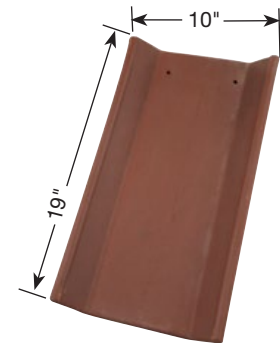
For more information, please contact MCA sales office at 1-800-736-6221 or [sales@mca-tile.com](mailto:sales@mca-tile.com).

### CC/CODES, CERTIFICATIONS

- IAPMO UES ER-356\*
- TDI Approval RC-21
- Florida Building Code, FL22539.9
- Miami-Dade County, FL NOA No. 17.0329.14 (Exp. 02/16/22)
- Class A, E108 (UL790)
- ASTM C1167 Grade 1
- Made in USA



\*IAPMO UES Evaluation Report covers City of Los Angeles and is in lieu of ICC-ES



### TILE SPECIFICATIONS:

Actual Size:	19" x 10"
Exposed Size:	16" x 12" O.C.
Weight per Square:	1050 lbs.
Weight per Piece Pan:	8 lbs.
Weight per Piece Top:	6 lbs.
No. of Pieces per Square:	150

### METRIC TILE SPECIFICATIONS:

Actual Size:	483mm x 254mm
Exposed Size:	406mm x 305mm
Weight per M2:	51.27 kg
Weight per Piece Pan:	3.63 kg
Weight per Piece Top:	2.72 kg
No. of Pieces per M2:	16.15 pcs

Metric conversion of lumber is actual dimensions of lumber; use lumber of the closest dimensions available.

\*Dimension of the head of the tile.





Teja Bianco Medium  
**CB383M**



Veneto Diores Medium  
**CB372M**



Tuscan Gold Medium  
**CB382M**



Cinnamon  
**2F18**



Natural Red  
**F40**



Brick Red  
**2F43**



Canyon Red  
**2F23**



Cafe Rustic Medium  
**CC136M**



Antique Kiln Flash  
**CB397**



Old Santa Barbara Medium  
**CC16M**



Mahogany  
**2F72**



Burnt Sienna  
**2F22**



Tobacco  
**2F45**



Carbon  
**2F28**



Taupe Smoke Medium  
**CC134M**



Ironwood  
**2F19**

NOTE: Some tiles may have slight variations in color due to the inherent nature of clay tile and the limitations of the lithographic printing process.





Teja Bianco Blend  
**CB383-R**

*Light, Medium, and Dark Variations*



Veneto Diores Blend  
**F46-MS**

*Light, Medium, and Dark Variations*



Tuscan Gold Blend  
**F4645-MS**

*Light, Medium, and Dark Variations*



Solare Blend  
**CB387-SC**

*Light, Medium, and Dark Variations*



Natural Red  
**F40**



Brick Red  
**2F43**



Old Santa Barbara  
Medium  
**CC16M-R**



Rosso Antico Blend  
**2F43-S**  
*Light, Medium, and Dark Variations*



Café Mocca Blend  
**CB360-SC**

*Light, Medium, and Dark Variations*



Vintage Carmel Blend  
**CB364-R**

*Light, Medium, and Dark Variations*



Villa Rosso Blend  
**2F43-MS**

*Light, Medium, and Dark Variations*



Tierra Brown Blend  
**2F45-MS**

*Light, Medium, and Dark Variations*



NOTE: Some tiles may have slight variations in color due to the inherent nature of clay tile and the limitations of the lithographic printing process.





**B331-R** Zorro Blend



**CB361-SC** Montage Blend



**CB397** Antique Kiln Flash Blend



**CB393** Firestone Flash Blend



**B308** Canyon Red Blend



**B340-R** Vintage Red Blend



**B330-R** Old Santa Barbara Blend



**CB228** Shady Canyon Blend



**CB399** Agoura Hills Blend

NOTE: Some tiles may have slight variations in color due to the inherent nature of clay tile and the limitations of the lithographic printing process.





Honolulu Hale: Honolulu, HI: Historical Restoration Project: B308 Canyon Red Blend

## 8-inch Straight Barrel Mission

8-Inch Straight Barrel Mission clay roof tile has been produced on the West Coast for more than 100 years and can be seen on many churches, civic centers, and universities. MCA is able to reproduce this timeless classic for restoration of historical projects, as well as for new construction. MCA has mastered the art of replicating the colors and textures of very old tile to match existing tile on earlier period buildings, or to give new buildings a historic appeal.

8-Inch Straight Barrel Mission tile is made in the USA and is ASTM C1167 Grade I, the highest quality of clay roof tile available. Competitively priced, this product is also backed by a 50-year limited warranty.

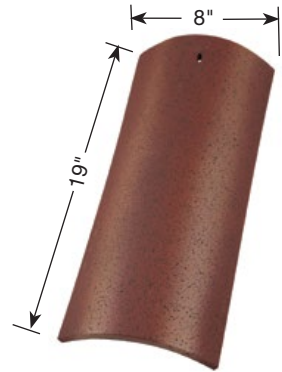
For more information, please contact MCA Sales office at 800-736-6221, or by email at [sales@mca-tile.com](mailto:sales@mca-tile.com), or visit the website at [www.mca-tile.com](http://www.mca-tile.com).

### CC/CODES, CERTIFICATIONS

- IAPMO UES ER-356\*
- TDI Approval RC-21
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- Miami-Dade County, FL NOA No. 17.0329.14 (Exp. 02/16/22)
- Class A, E108 (UL790)
- ASTM C1167 Grade 1
- Made in USA



\* IAPMO UES Evaluation Report covers City of Los Angeles and is in lieu of ICC-ES



### TILE SPECIFICATIONS:

Actual Size:	19" x 8"
Exposed Size:	16" x 11" O.C.
Weight per Square:	1070 lbs.
Weight per Piece Pan:	8.52 lbs.
No. of Pieces per Square:	164 pcs

### METRIC TILE SPECIFICATIONS:

Actual Size:	483mm x 254mm
Exposed Size:	406mm x 279mm O.C.
Weight per Square:	52.24 kg
Weight per Piece Pan:	2.96 kg
No. of Pieces per M2	15 pcs

Metric conversion of lumber is actual dimensions of lumber; use lumber of the closest dimensions available.

\*Dimension of the head of the tile.



# Historical Colors and Blends



**F40 Natural Red**  
Solar Reflectance Avg. - 0.45  
Thermal Emittance Avg. - 0.88



**2F43 Brick Red**  
Solar Reflectance Avg. - 0.42  
Thermal Emittance Avg. - 0.84



**2F22 Burnt Sienna**  
Solar Reflectance Avg. - 0.31  
Thermal Emittance Avg. - 0.84



**CB366 Alexander & Baldwin Blend**



**B308 Canyon Red Blend**  
Solar Reflectance Avg. - 0.38  
Thermal Emittance Avg. - 0.85



**CB425 Nob Hill Blend**  
Solar Reflectance Avg. - 0.44  
Thermal Emittance Avg. - 0.88

NOTE: Some tiles may have slight variations in color due to the inherent nature of clay tile and the limitations of the lithographic printing process.



Wilshire United Methodist Church, Los Angeles, CA: Historical Restoration Project: Custom Colors to match original roof tile colors.





Recreation Center, Turret Tile - F45 Tobacco, F40 Natural Red, 2F43 Brick Red (360° Turret Tile®)

## Turret Tile®

MCA has earned a global reputation as the leading innovator in Turret Tile® design and manufacturing. With a truly unique turret system, there is no need for roofing contractors to cut tiles to fit the shape of a conical roof. Eliminating unnecessary extra labor, MCA customizes the tiles for every job, with larger tiles at the bottom, medium in the center, and small, tapered tiles at the top. Enhanced by computer design, the exact number of each size is precisely calculated to fit a turret roof of any size.

Turret Tile® is available in Natural Red, flashed, and standard blends. Custom colors and custom blends are also available.

Turret Tile® is pre-cut decorative roof tile and requires a watertight membrane.

For more information, contact MCA Sales Office at 800-736-6221, by email at [sales@mca-tile.com](mailto:sales@mca-tile.com), or visit the website at [mca-tile.com](http://mca-tile.com)

### CC/CODES, CERTIFICATIONS

- IAPMO UES ER-356\*
- ASTM C1167, Grade 1
- Class A, E108 (UL790)



\*IAPMO UES Evaluation Report covers City of Los Angeles and is in lieu of ICC-ES.



### How to Receive an Estimate for MCA Turret Tile®:

Simply send MCA a scaled roof drawing or the following information:

- Roof Pitch
- Diameter of Turret Roof
- Angle in Degrees of Turret (example 360° or 180°)

We will provide your cost to an MCA Authorized Distributor in your area.

US Patent No. 547191





Custom House: B305 Weathered Green Blend: 180° & 75° Turret Tiles®



Custom House: F40 Natural Red; 180° & 180° eyebrow Turret Tile®



Church: 2F22 Burnt Siena: 180° & 360° Turret Tiles®



Club House: B301 Old Mission Blend®: 360° Turret Tile®



Civic Center: Custom Blend: Curved Roof & 360° Turret Tile®





Japanese Black C-09 (Ibushi) — Long Beach, CA

## Oriental-Japanese Style

M.C.A.'s Oriental-Japanese tile is a unique, interlocking, high quality tile made in the Japanese tradition. This beautiful clay tile is available in grayish smoked, and various glazed colors and will keep its distinctive appearance while withstanding constant exposure to any weather condition.

Traditional designs, as in a Japanese style temple or teahouse, will feature ornaments in various shapes and sizes. The most traditional color used for a Japanese style teahouse or temple is the C09 Japanese Black. This color originated in China and was brought to Japan over 1400 years ago. Japanese Black, called "Ibushi" in Japan, is smoked and is a through body color.

Without the use of decorative ornaments, Oriental-Japanese Style tile is also suitable for western, contemporary designs.

A 50-Year Limited Warranty is available on all MCA tiles.

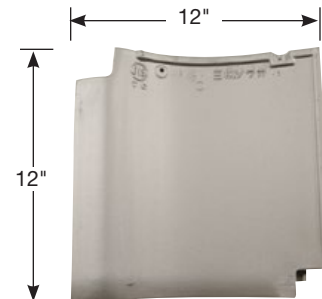
For more information, please contact MCA sales office at 1-800-736-6221 or [sales@mca-tile.com](mailto:sales@mca-tile.com).

### CC/CODES, CERTIFICATIONS

- IAPMO UES ER-356\*
- TDI Approval RC-21
- Florida Building Code - FL22539.8
- Miami-Dade County NOA No. 19-1021.29 (Exp. 12/20/22)
- Class A, E108 (UL790)
- ASTM C1167, Grade 1
- Made in Japan



\*IAPMO UES Evaluation Report covers City of Los Angeles and is in lieu of ICC-ES.



### TILE SPECIFICATIONS:

Actual size:	12" x 12"
Exposed size:	10 1/2" x 9 1/2"
Weight per square:	864 lbs
Weight per piece:	6 lbs
No. of pieces per sq:	144 pcs

### METRIC TILE SPECIFICATIONS:

Actual size:	305mm x 305mm
Exposed size:	266mm x 241mm
Weight per M2:	54 kg
Weight per piece:	3.6 kg
No. of pieces per M2:	15.5 pcs





Blue  
**C01**



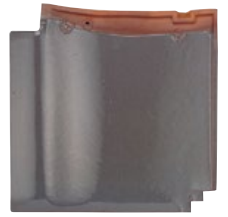
Japanese Black  
**C09**



Maroon  
**C07**



Dark Green  
**C05**



Gray  
**C10**



Metallic Silver  
**C23**



Maple  
**C12**



Chinese Gold  
**C02**



Black  
**C03**



Matte Brown  
**C14**

NOTE: Some tiles may have slight variations in color due to the inherent nature of clay tile and the limitations of the lithographic printing process.



Temecula, California — Metallic Silver C23



Re-Roof Project, Encino, California — Japanese Black C09



Residence, New Mexico — Blue C01


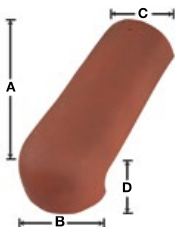

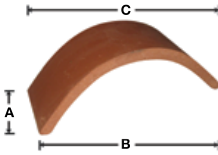

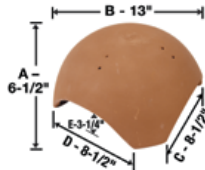

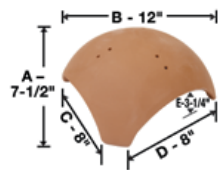








Product	Product ID #	Dimensions		Product	Product ID #	Dimensions	
	<b>SA01</b> Old LA Brick S (139 pcs/Sq)	A	14"		<b>TM02</b> San Diego Mission Old Tile Custom sizes are Available	A	18"
		B	11.75"			B	10"
		C	11.75"			C	6.75"
		D	2.25"			D	4"
		E	0.5"			E	0.75"
	<b>SA03</b> Old LA Brick Gable Right	A	14"		<b>T402</b> Old UC Berkeley Mission Custom sizes are Available	A	17"
		B	10.5"			B	9"
		C	10.5"			C	7"
		D	3.75"			D	3.75"
		E	0.5"			E	0.5"
	<b>SA04</b> Old LA Brick Gable Left	A	14"		<b>VG02/03/04</b> 90 degree Ridge or Gable Tile (R/L) Custom sizes are Available	A	14"
		B	6.75"			B	6"
		C	6.75"			C	6"
		D	3.25"			D	3.25"
		E	0.5"			E	0.5"
	<b>SB01</b> Old LA Brick Baby S (199 pcs/Sq)	A	13"		<b>VF02</b> 90 degree Ridge Tile Custom sizes are Available	A	19"
		B	8.25"			B	8.5"
		C	8.25"			C	7.25"
		D	2.25"			D	2.5"
		E	0.5"			E	0.5"
	<b>SF01</b> Old GM S (153 pcs/Sq)	A	13.5"		<b>OA</b> Old Clay Shingle (12 inch long) Custom sizes are Available	A	12"
		B	10.5"			B	6"
		C	10.5"			C	6"
		D	2.5"			D	0.5"
		E	0.5"			E	0.5"
	<b>SK01</b> Double S	A	14.5"		<b>CF11</b> Old Clay Shingle Custom sizes are Available	A	19"
		B	11.5"			B	8"
		C	11.5"			C	8"
		D	2"			D	0.5"
		E	0.5"			E	0.5"
	<b>DM02</b> 10 inch Wide Straight Mission	A	19"		<b>T405</b> Bird Stop Custom sizes are Available	A	7.5"
		B	10"			B	
		C	10"			C	
		D	3.25"			D	4.25"
		E	0.75"			E	0.5"

Dimensions: A = Length | B = Width Bottom | C = Width Top | D = Crown Height | E = Thickness

**NOTE:** Dimensions are approximate.



Product	Product ID #	Dimensions		Product	Product ID #	Dimensions	
	<b>DS02</b> Two Piece Eave Top	A			<b>TB77</b> Hip Closure	A	19"
		B				B	7.5"
		C				C	7.5"
		D				D	5"
		E				E	0.5"
	<b>DS07</b> Two Piece Eave Pan	A			<b>CR17</b> Clay Wind Screen Tile	A	3"
		B				B	8"
		C				C	8"
		D				D	2.75"
		E				E	0.5"
	<b>DS18</b> Two Piece Eave Booster	A			<b>K007</b> 3 Forked Dome Ridge 6-1/2" Med – 4.35 lbs.	A	6-1/2"
		B				B	13"
		C				C	8-1/2"
		D				D	8-1/2"
		E				E	3-1/4"
	<b>DSE5</b> Two Piece Eave Birdstop	A			<b>K008</b> 3 Forked Dome Ridge 7-1/2" Large – 5.7 lbs	A	7-1/2"
		B				B	12"
		C				C	8"
		D				D	8"
		E				E	3-1/4"
	<b>K010</b> Hexagon Finial 11.5 lbs.	A	15"		<b>K001</b> Ball – 9" Large Round Base 4 lbs.	A	11"
		B	9"			B	9"
		C	8"			C	6"
		D				D	
		E				E	
	<b>K011</b> Hexagon Finial 16.5 lbs	A	22"		<b>K002</b> Ball – 7" Small Round Base 4 lbs.	A	12"
		B	15"			B	7"
		C	8"			C	6"
		D				D	
		E				E	
	<b>K012</b> Octagon Finial 11.5 lbs.	A	21"		<b>K005</b> Spike – 7" Round Base 3.45 lbs.	A	15"
		B	13"			B	7"
		C	11"			C	6"
		D				D	
		E				E	

Dimensions: A = Length | B = Width Bottom | C = Width Top or Ball Diameter | D = Crown Height | E = Thickness

**NOTE:** Dimensions are approximate.



## Dome Tile



Dome Tile is MCA's latest innovation. Nine different sizes of the "Fish Scale" tile are precisely calculated to fit the dome height and circumference. As the circumference of the dome decreases upward, the size of the tiles change to accommodate the variations and achieve a proper fit to the dome surface.\*

The clay tile Dome Roof on the Wedding Rotunda at The Resort at Pelican Hill, Newport Coast, CA, has a dome base of 19'5" and dome height, excluding ornament, of 9'8". Approximately 4,000 pieces of Dome Tile were used in its construction. MCA also created the 2" x 2" Metope Tile that can be seen just below the base of the dome.

\*This tile is strictly decorative, and a watertight membrane and nailable roof deck surface are required.

For information on Dome Tile construction and installation, please contact MCA Sales Office during the design stage of your project.

## MF108 Interlocking Flat



This unique interlocking flat tile has a built-in wind-lock to meet 150 MPH winds with a nail-on system. This distinctive tile is available in Matte Green, Matte Black, Metallic Silver, Antique Brown, Adobe Brown, Silver Gray, Sky Blue, White and Natural Red (Natural Red is not a standard item and must be requested in advance).

### TILE SPECIFICATIONS:

Actual size:	13 3/4" x 13 3/4"
Exposed size:	11 1/8" x 12"
Weight per square:	850 lbs
Weight per piece:	7.9 lbs
No. of pieces per sq:	108 pcs

### CC/CODES, CERTIFICATIONS

- IAPMO UES 0356 (in lieu of ICC-ES)
- Class A, E108 (UL790)
- ASTM C1167, Grade 1
- Florida Building Code - FL22539.6
- Miami-Dade County NOA No. 14-1020.01 Exp. 02/16/22
- Made in Japan



## Improved S



This durable interlocking "S" tile has a built-in wind-lock system and can withstand winds up to 200 MPH. Improved "S" has been used in areas subject to occasional high-wind conditions, such as Guam and the Caribbean. It is available in Blue, Chinese Gold, Metallic Silver, Dark Green, Maroon, Chocolate Brown, and Maple.

### TILE SPECIFICATIONS:

Actual size:	12" x 12 1/4"
Exposed size:	10 1/2" x 10 1/2"
Weight per square:	950 lbs
Weight per piece:	7.25 lbs
No. of pieces per sq:	131 pcs

### CC/CODES, CERTIFICATIONS

- IAPMO UES 0356 (in lieu of ICC-ES)
- Class A, E108 (UL790)
- ASTM C1167, Grade 1
- Florida Building Code - FL22539.5
- Miami-Dade County NOA No. 19-1021.28 Exp. 12/20/22
- Made in Japan





## Two Piece Eave to One Piece “S” Application

By simply installing Two Piece Eave tops, pans, boosters and birdstops on the first course, then applying One Piece “S” Mission to the remaining roof area, you can create a Two Piece Mission appearance. Add additional boosting on the eave and field tile, and it becomes almost impossible to distinguish whether or not the roof is actually Two Piece Mission or a Two Piece-to-One Piece application. (See pictures below.) This application will save material costs and labor by more than 30% compared to a regular Two Piece Mission application.



**Step 1**



**Step 2**



**Step 3**



## Clay Wind Screen Tile Application

Clay Wind Screen Tile decorations are often seen in the walls or on chimney tops. Just use 8" Straight Barrel Mission and 3" booster tile to create a clay screen tile. (Please see clay wind screen tile on page 33.) Please contact MCA sales office for more information on creating authentic clay wind screen decorations.



## Decorative Eave Application




Stack booster tile 3 or 4 layers high under the eave on the wall of the building to create a decorative eave. From the bottom to the top row, the exposure is adjusted to become longer until the top row matches the exposure of the eave tile on the roof.



# Why MCA Clay Roof Tile?

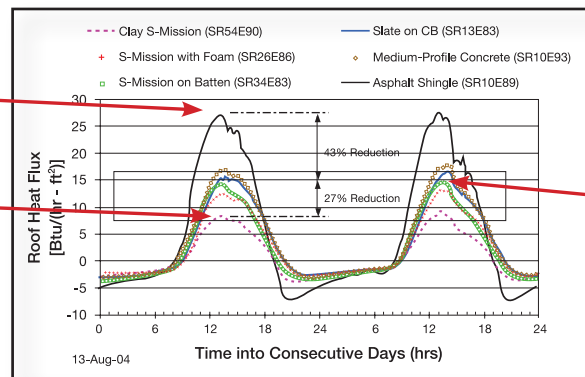
Over 100 years of experience has allowed MCA to produce superior clay tile.

-  **ASTM C1167 GRADE 1** – MCA is the only Southern California manufacturer who produces ASTM C1167 Grade 1 clay roof tile. This is the highest quality roof tile for use in any climate – including freeze/thaw and coastal zones where salt intrusion may be a problem for lower grade tiles.
-  **LEED™ QUALIFYING** (For Architects) – MCA Clay Roof Tile can help you earn LEED™ points.
-  **COMPETITIVE PRICES** – The highest quality tile, yet competitively priced with other brand's products.
-  **LABOR SAVER** – With 75 pcs/sq vs. 88 pcs/sq, 13 fewer pcs/sq means MCA "S" tile can reduce labor costs by as much as 17%.
-  **COLORS, BLENDS & TEXTURES** – MCA has the widest selection available for colors, blends and textures.
-  **GREAT CUSTOMER SERVICE & TECHNICAL ASSISTANCE** – Our great customer service/sales team is available to provide assistance in color selection and technical matters. Please call our sales office for referral to your local rep.
-  **50-YEAR LIMITED WARRANTY** – Includes no color fading.

-  **BEST ROOF HEAT REDUCTION** – MCA clay "S" Mission roof tiles showed up to a 70% heat reduction entering the house as compared to a roof with asphalt shingles. (Please see footnote<sup>1</sup>)

**Asphalt Shingle**

**MCA Clay "S" MissionTile**



**Concrete "S" Mission on Batten**

**Footnote 1:** William A. Miller, Ph.D., Steep-Slope Assembly Testing of Clay and Concrete Tile with and without Cool Pigmented Colors (Buildings Technology Center, Oak Ridge National Laboratory, November 2005)

## OM/OPERATION, MAINTENANCE

Over 100 years of product knowledge has enabled us to create a roof tile that is highly resistant to chipping, wearing and fading. We stand behind our product 100%. To install M.C.A. Tile, use adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the

methods needed for proper performance of the work. M.C.A. Clay Roofing Tile may have color variations due to the inherent natural characteristics of the material used. To avoid color patterning, checkerboarding, spotting and stairstepping, the installer should periodically (after installing 80 pieces of roof tile) check the roof color from the ground level at approximately 40 feet (12m) from the building for a color "range." By following this procedure, patterning

or spotting should be avoided by blending the tiles over the entire deck. If this procedure is not followed, M.C.A. can not be held liable or responsible in any way once the tiles have been installed. All claims should be made in writing before installation of the tiles. No claims will be recognized after the tiles have been installed. Once M.C.A. Roof Tiles are installed, no maintenance is required.



**MCA®**  
Clay Roof Tile

**MARUHACHI CERAMICS OF AMERICA, INC.**  
1985 Sampson Ave., Corona, CA 92879, U.S.A.  
1-800-736-6221 FAX: (951) 736-6052  
www.mca-tile.com Email: sales@mca-tile.com