

PRODUCT NAME:
Betona Flexible Concrete Tile
MANUFACTURER

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PRODUCT DESCRIPTION – Quick Reference

- All product has at least 40-60% Post Consumer Recycled Content**
- Commercially rated for floors and walls**
- Made in U.S.A. (100% in Michigan)**
- Large variety of standard sizes**
- Custom sizes, colors and textures**
- Vibrant and broad standard color pallet**
- Color matching with low minimums**
- Ability to print in photo quality directly on the tile**
- Sound dampening quality (through the body and reflective sound)**
- Project designs are stored electronically and are always available**
- Easy installation**
 - Installs with a standard 1/16th grout joint (sizes are all nominal to accommodate joint) & industry standard setting materials
 - Cuts by scoring/snapping or resilient tile cutter, eliminating need for wet saw
 - Big format tiles are lightweight and easy to handle
- Easy lifetime maintenance**
 - Tile comes pre-sealed with commercially-rated wear layer from Valspar
 - Neutral pH cleaner and water for routine cleanup
 - Excellent stain resistance

TECHNICAL DATA

- Size / Squareness : +/- 1/32"
- Thickness : .200 - .240
- Color Variation : V2 - V3
- Slip Resistance: ASTM C1028: .85 wet; .76 dry
- MSDS - Available from manufacturer
- For additional Technical Data / Specification information contact PolyCem LLC

SURFACE PREPARATION

Surfaces must be free of paint, varnish, adhesive residue, wax, oil, dust, or any other foreign matter that might adversely affect the installation.

Concrete substrates:

- Verify that concrete slabs comply with ASTM F710.
- Verify that slab substrates are dry and free of curing compounds, sealers, hardeners, gypsum residues, and other materials that may interfere with adhesive bond.
- Determine adhesion and dryness characteristics by performing bond and moisture tests recommended by manufacturer.
- Subfloor finishes of slabs receiving tile flooring to comply with requirements specified in specifications section 03 30 00 – Cast-in-Place Concrete.
- Verify that subfloors are free of cracks, ridges, depressions, scale and foreign deposits.
- Fill all cracks with high-compressive strength cementitious filler.
- Finish or mechanically abrade surface of the concrete to a texture similar to 80 grit sandpaper.

Wood subfloors:

- Underlayment over subfloor to comply with requirements specified in specifications section 06 10 00 – Rough Carpentry.
- Underlayment must be a minimum 1/4 inch (6.4 mm) thick and comply with recommendations of the American Plywood Association.
- Verify underlayment surface is free of irregularities and substances that may interfere with the adhesive bond, show through the surface, or stain flooring.
- Fill cracks and joints with a high-compressive strength cementitious filler. Contact manufacturer for recommended setting materials.

INSTALLATION

Temperature recommendations:

- Maintain minimum temperature of 55 degrees F (13 degrees C) for 48 hours prior to installation, during installation, and 7 days after completion of installation.

Grouted installation recommendations:

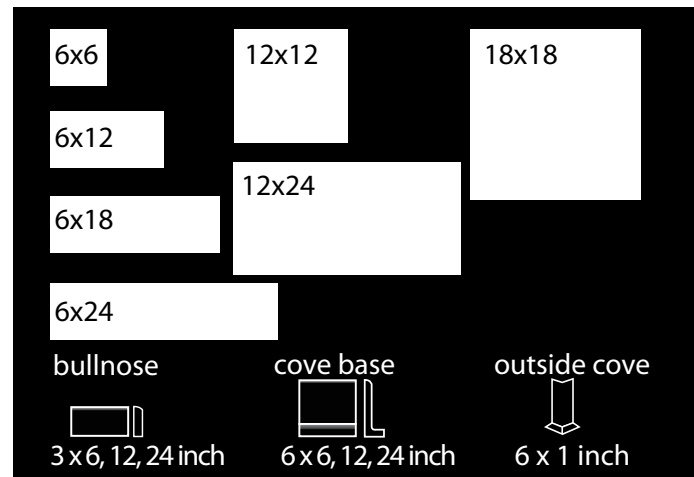
- Maintain clean and free grout spaces to avoid post installation clean out.
- Blend tiles by working from several cartons at a time to maximize natural shading.
- Press tile body and corners into setting material to ensure a good bond.
- Press or tap the face of the tile to remove any air pockets that may have formed between the setting material and the tile.
- Maintain clean and free grout spaces to avoid post installation clean out.
- Clean any setting material from face of tile.
- Wait 24 hours before grouting.
- Use a polymer modified grout.
- Do not allow grout to dry on the face of the tile as it will be difficult to remove and may damage the surface.

MAINTENANCE INSTRUCTIONS AND PROCEDURES

- Under normal usage situations, clean tile with clear water and a neutral PH tile cleaner.
- Always rinse with clean water.
- Dust mop frequently to avoid grit/abrasives on the surface.
- Regular maintenance is recommended to avoid buildup of dirt, residue, grease, detergents or other contaminants.
- It is recommended that a sealer is used only on grout joints.
- Manufacturer does not recommend the use of the following for tiles:
 - Acid, oil, or ammonia based cleaners
 - Abrasive cleaners or harsh cleaning aids (steel wool, scouring pads)
 - Bleach (discolors grout)
 - Waxes and sealers

ENVIRONMENTAL – FOOTPRINT

50% of body made of recycled glass (windows, auto windshields, etc)
 Lightweight compared to porcelain/ceramic/traditional concrete (1.8 pounds per square foot)
 Low energy consumption in production of product
 Zero solid manufacturing waste to landfill
 Zero hazardous waste / Zero VOC Air Emissions
 Product Reclamation :
 PolyCem will process/recycle all reclaimed Betona products
 Contact PolyCem LLC for more details and program information.



APPLICABLE STANDARDS, RELATED REFERENCES

ANSI A137 Standards for Ceramic Tile	ASTM E84 Radiant Flux of a Radiant Heat Energy Source
ANSI A108.1 Standards for Ceramic Tile	ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring
ANSI A108.6 Standards for Ceramic tile	ASTM C6JO Resistance to Resilient Flooring
ASTM C373 Methods for Absorption and Gravity of Dimension Stone	ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride
ASTM C1028 Standard Test Methods for Coefficient of Friction of Ceramic Tile & Other Like Surfaces by the Horizontal Dynamometer	

Tile Council of America (TCA) – Handbook for Ceramic Tile Installation TECHNICAL SERVICES AVAILABLE
 For design assistance and technical support, contact the manufacturer.
CLASSIFICATION AND FILING
 MasterFormat 2004 / 09 30 00 - Tiling
 MasterFormat 1995 / 09300 - Tile
 OmniClass 2006 / 23-35 10 14 31 – Other Wall Tiles
 23-35 50 14 14 – Tile Flooring
 UniFormat 1998
 C3010 – Tile Wall Finishes
 C3020 – Tile Floor Finishes