

VERANDA TILE DESIGN

TECHNICAL INFORMATION RECOMMENDATIONS

The recommendations provided below are for informational purposes only.

Always consult with an experienced and licensed tile installer to determine what is best for your particular project.

ENCAUSTIC TILES:

Veranda Tile Design encaustic tiles are made by hand, one at a time, with a blend of Portland cement, regular grey cement, marble powder, fine sand and natural mineral color pigments. This blend is poured into a mold to create the pattern which represents the top colored surface layer (about 1/8" thick). The bottom layer consists of grey cement, which is bonded to the top layer with a hydraulic press that solidifies the two and creates one tile. There is no glaze or kiln involved in the manufacturing process. Encaustic tiles are cured with water and air, thus making them environmentally friendly.

SIZES: Square stocked patterns are 7 7/8" X 7 7/8" X 5/8" (20cm X 20cm X 16mm).

Top layer colored surface thickness: 5/32" / 3-4 mm. **Bottom layer** grey cement thickness: 1/2" / 12 mm

Hexagon stocked patterns are 9 1/16" X 7 7/8" X 5/8" (23cm X 20cm X 16mm).

WEIGHT: About 3.00 lbs/tile (1.3 kg/tile).

APPLICATIONS:

Veranda Tile Design encaustic tiles can be used for residential and commercial applications. They can be installed outdoors with climate consideration (not recommended for freeze-thaw areas), indoors, and on vertical or horizontal surfaces, as long as installation, grout, sealer and maintenance guidelines are properly followed.

INSTALLATION INFORMATION:

It is highly recommended to use a licensed and experienced tile installer. Check your order upon receipt and store in a dry area prior to installation. Exposing the tiles to moisture before installation will damage the tiles.

Prior to installation, sub surfaces must be structurally sound.

Remove all grease, oil, dirt, curing compounds, sealers, adhesives or any other contaminant that would prevent a good bond between the sub surfaces and the tiles.

Concrete must be free of efflorescence and not subject to hydrostatic pressure. Concrete slabs should be leveled and have a coarse finish to enhance the bond.

Consult with a tile installer regarding water proofing and the application of an anti-fracture membrane to the subsurface.

Suitable substrates for cement tile installation are mortar beds, HardieBacker or alike.

Expansion joints should never be bridged with setting material.

Carefully clean the tiles of any dust using a dry microfiber cloth. Batch mix the tiles from multiple boxes since slight color variation is inherent in hand-made cement tiles. If possible, lay all tiles in a different room and blend together. This will ensure an organic look to the area of installation.

PLEASE NOTE: Tile patterns are directional. Make sure that the design is aligned.

PLEASE NOTE: Tiles must be pre-sealed before grout application. Allow a minimum of 12 hours for the sealer to dry prior to installation.

Apply the first coat of **STAIN-PROOF ORIGINAL by DRY-TREAT** sealer (www.drytreat.com) by using a foam roller, lamb's wool pad, or spraying for large areas, and remove any excess sealer according to Dry-Treat specifications.

Apply a coat of **VERSABOND® THIN-SET MORTAR** or alike to the subsurface per industry standard. Apply thin-set to substrate and back-butter each tile to ensure 100% even coverage.

Allow minimum 1/8" (3-4mm) space between the tiles for grout.

Install tile by applying hand pressure, do not use rubber hammer or mallet to set the tiles, as it may crack or damage the tiles. Wipe any excess immediately as you go to avoid thin-set to dry on the surface.

When applying sanded or un-sanded **POLYMER-MODIFIED GROUT**, wipe any excess immediately as you go to avoid surface staining. Apply grout in small areas 4-6 square feet at a time. Make sure grout is completely cleaned from surface of tiles, then move on to the next 4-6 square feet. This method will prevent the grout from drying on the surface of the tiles, helping to prevent grout haze.

It is recommended to grout cement tile with light or neutral colored grout. The use of colored grout should be lighter than the colors seen on the tiles. **Dark or black grout may cause stains on the tile surface.**

72 hours after both tile and grout are completely cured, clean tiles thoroughly and apply the second coat of **STAIN-PROOF ORIGINAL SEALER**. Remove any excess sealer. Re-seal tiles every 6-12 months depending on high/low foot traffic.

The tiles should be washed regularly with a PH neutral cleaner only. No bleach or acidic chemicals should be used in the cleaning process. Light concrete or grout stains can be removed by gently using a Scotch-Brite pad or fine grit sandpaper 400 or higher.

Inspect your tiles prior to installation. No returns or claims will be accepted once the tiles have been installed.

Please note that Veranda Tile Design will never assume any responsibility for faulty workmanship.

These recommendations/guides to installation are intended to provide helpful advice only.

Any advice, opinion or recommendation given in this report is given with the understanding that Veranda Tile Design shall not be liable either in law or in tort, for any damage or problem arising out of the use or misuse of such advice, opinion or recommendation. In all cases, local building regulations should be checked prior to installation.

RECOMMENDED PRODUCTS

STAIN-PROOF ORIGINAL by DRY-TREAT: www.drytreat.com

VERSABOND® THIN-SET MORTAR: <http://www.custombuildingproducts.com/reference-library/technical-data-sheets.aspx>
(click on Polymer-Modified Thin-Set Mortars)

POLYMER-MODIFIED GROUT: www.custombuildingproducts.com/TDS/TDS-129.pdf
www.custombuildingproducts.com/TDS/TDS-130.pdf

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