

Technical Information

USAGE

Since Foundry Art bronze is so durable, our tiles can be used in virtually any application: on floors and walls, indoors and out, wet and dry. Foundry Art tiles are suitable for use even in the most highly trafficked locations.

DIMENSIONS

| Described as | Actual |
|--------------|---------------------|
| 3 x 3 in | 3 x 3 in |
| 2x2 in | 2 x 2 in |
| 1 x 1 in | 1 1/16 x 1 1/16 in |
| 1/2 x 10 in | 1/2 x 9 7/8 in |
| 3/8 x 10 in | 3/8 x 9 7/8 in |
| 3/4 x 10 in | 3/8 x 10 x 9 7/8 in |

- Base of all tiles is approximately 1/4 in thick.
- Height of relief designs varies.
- Slight variations in size are considered normal.

INSTALLATION

- For substrate and adhesive, follow the guidelines of the Tile Council of America. In most applications, epoxy or thinset mortar is suitable.
- Adhesive: to insure a good adhesive bond, roughen the backs of the tiles with coarse sandpaper.
- Spacing: as per designer's specification
- Grout: you can use either sanded or unsanded grout. In wet applications we recommend epoxy grout. Alternately, dry grout can be mixed with an acrylic additive and then sealed after installation. During final cleanup make sure all grout residue is removed from the recesses of the tiles. No grout release is necessary.
- Cutting: You can cut Foundry Art tiles with any saw suitable for cutting metal. We recommend abrasive metal-cutting blades for use with cutoff and circular saws. If you have just a few cuts to make, you can use a hacksaw.
- Sealing the bronze is not necessary. If a sealer is used on surrounding materials do not let it pool or stand on the surface of the bronze. See PATINA.

CLEANING AND CARE

- No special maintenance is required.
- Any cleaning agents can be used except acid-based cleaners. As with any polished surface, Foundry Art tiles should be protected from acid-based cleaning agents. Acids may temporarily alter the tiles' patina.
- Foundry Art bronze can always be returned to its original brightness with copper or brass polish. See PATINA.

COLORS

- Traditional Bronze – deep warm color
- White Bronze – lighter, cool color; similar to nickel silver

VARIATIONS

- Our proprietary casting and finishing process is designed to create random surface pitting and roughness.
- New tiles may appear brighter than showroom samples because samples have begun to develop a patina. See PATINA.
- Some tiles may appear darker than others before they are installed, but during installation grout will polish the tiles and lessen the variation.

PATINA

- Bronze becomes more beautiful with age. Its patina deepens and matures – time, weather and wear each playing a part. Technically, the process is called oxidation because the bronze responds to the oxygen in the atmosphere.
- In dry locations tiles will gradually darken.
- In floors, higher parts of designs will gradually be polished by footsteps.
- When used in wet applications; outdoors, in pools and fountains, the natural patina process is accelerated and ultimately an opaque black-green patina will develop.
- Paste wax can be applied after installation to slow down the patina process. To stop the patina process entirely the tiles can be sealed after installation with an epoxy coating, lacquer or clear enamel.