

LiquidMotion

Floor Tiles

Specified Solutions Inc.

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With the aim of developing interactive environments, we created a series of floor tiles and table tops. Liquids encapsulated within a resilient polymer shell. The result is an interactive floor tile or horizontal surface that responds to pressure. Ones footsteps or fingertips are temporarily recorded by the movement of fluids within the surface.

Square Tiles / Round Tiles / Custom Shapes

inquiries :

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W108
yellow

W172
orange

W185
red

W306P
turquoise

W362
green

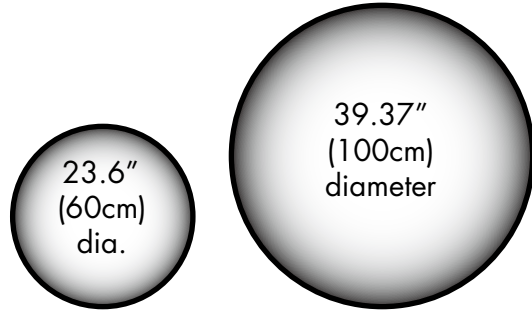
W2583
violet

W430
gray

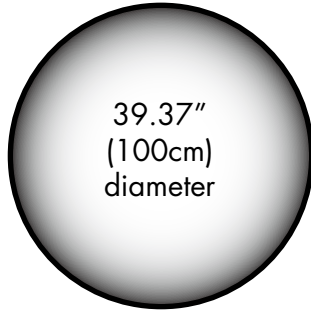
W426
black

M2 Metallic gray available in square tiles

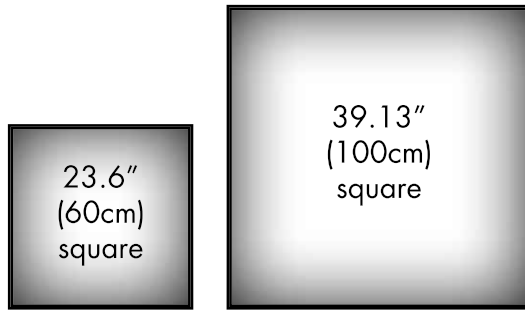
Floor Tile Standard Sizes



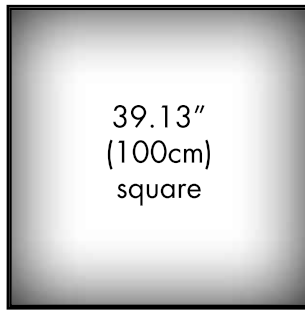
TD-FLRD-060



TD-FLRD-100



TD-FLSQ-060

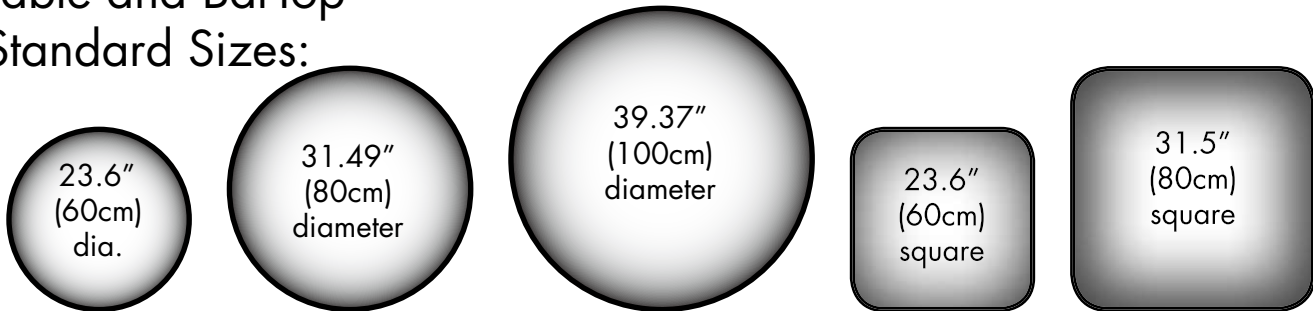


TD-FLSQ-100

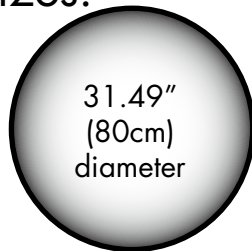
Custom Sizes & Colors

Please provide your custom shapes or sizes to your sales representative for manufacturer review & pricing.

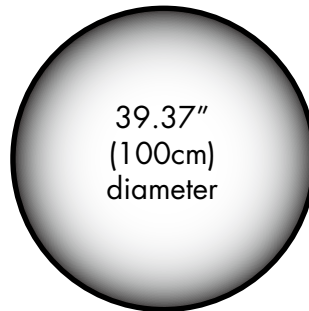
Table and BarTop Standard Sizes:



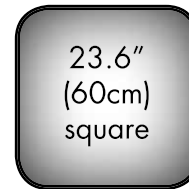
TD-TTRD-060



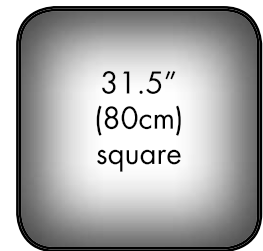
TD-TTRD-080



TD-TTRD-100



TD-TTSQ-060



TD-TTSQ-080

LiquidMotion tops are:

- shipped already mounted on a rigid board
- inished with an aluminum edge.
- tapped and pre-drilled to easily attach to a table base

Contact us for test results, spec information and all other information.

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Product Data Sheet – LIQUID MOTION TILES

Liquid Motion interactive floor tiles. The flexibility of the material allows for the interaction with the underlying fluids. Tiles should be laid on smooth, horizontal surfaces. Colors are nontoxic and are of no harm for human contact. Special sizes and shapes are available upon request.

The wear layer is high resistance embossed polycarbonate (Makrolon®), secondary polymer layers encompass liquids which move and interact when pressure is applied.

For use in interior installations only.

Technical Data

Thickness: 7mm (1/4")

Weight: kg.11/sq.m. (2.2lbs/sq.ft.)

Colors: see attached color chart
**custom colors available upon special order

Fire Rating: Class 1
ASTM Standard Test – Product meets or exceeds Class 1 rating as specified in NFPA Life Safety Code 101 and IBC 804.2 Classification.

Installation Instructions

To guarantee a uniform distribution of color install on smooth perfectly horizontal surfaces.

The subfloor should be-

Hard: Clean dusty surfaces and avoid friable subfloor materials.

Dry: Maximum degree of humidity of the subfloor should not be more than 3% at the time of installation. Test the dryness using a hygrometer if there is a question as to the dryness.

Level: The surface the tiles rest on should be completely horizontal and without cracks or evident ridges. Any differences in level can cause a non-uniform color distribution. Apply a leveling product before installation if the surface is not already level.

Temporary Installations:

Fix to subfloor with appropriate bi-adhesive tapes (3M). Use caution and avoid bending when removing.

Permanent Installations:

Recommended Adhesive – MS Plus Resilient by WF Taylor Adhesive Co. **contact : www.WFTaylor.com**

MS Plus Resilient ADHESIVE

MS Plus Resilient Adhesive by Taylor Adhesive is an advanced, cross-linking pressure adhesive featuring high aggressive peel and shear strength. This solvent-free, non-flammable, easy troweling product provides excellent installations for tile-over-tile applications, sheet goods, luxury vinyl tile and plank, solid vinyl tile & plank, and vinyl composition tile over both porous and non-porous surfaces.

Flooring Grout

All permanent installations should be grouted with an elastic sealant or silicon. Recommended grout widths:

50cm tiles	2mm grout
60cm tiles	2mm grout
100cm tiles	3mm grout

**grout width should be increased by 1mm when tiles are applied on a radiant heating floor. Additionally, When installed over a radiant heated floor heat should be shut off for 24 hours before, during and 24 hours after installation.

Recommended grouts: *Polyurethane sealant and adhesive with a high modulus of elasticity*
Mapei - **Mapesil LM** (tube cartridge)
Mapei - **Mapeflex PU 50SL** (liquid)
Mapei - **Mapeflex PU 45** (fast drying)

Installation temperature

The tiles should be installed in a control temperature environment.
Recommended temperature at installation 15°C - 25°C (60°F-77°F)

Additional Notes:

Liquids contain tiny air particles which sometimes come together to form small air bubbles. This is a natural transformation of the product and is more visible in the two tone tiles.

Because of the nature of the tiles, applying a continuous weight on the tiles during the initial hardening of the adhesive is recommended.

Each tile is tested individually by applying a uniform load of 500 kg per square meter.

Do not bend the tiles in any way. Tiles **cannot** be cut in the field - this will cause breakage to the liquid chamber of the tiles. Custom shapes and have to be manufactured to size.

The manufacturer and or distributor is not responsible for field measurements. All custom tiles will be produced by cad drawings furnished by the client.

Place protective pads under furniture and chair legs to protect the longevity of the tile surface.

The edge of the tile should always be protected. Flush installation within a second hard flooring material is the suggested solution. When installed above an existing floor apply a protective metal edge to avoid direct lateral forces. Installing as an insert within carpet requires a protective edge between the two materials. Also, instruction should be provided to maintenance staff to be careful to directly hit the edge between the carpets and the tile with a vacuum cleaner.

Storage

The tiles should be transported and stored always in a horizontal position. Tile should never be stacked more than 40 tiles per pile. Although the tiles can resist in temperatures ranging from -15°C to 60°C (5°F-140°F) the preferred storage temperature range is 10°C-28°C (50°F-80°F).

Maintenance

To obtain best results, periodically use an auto polishing metallic wax to revive the surface. Recommended product: Metalwax FILA

The tiles can be cleaned regularly using common residential detergents. **DO NOT USE AUTOMATIC CLEANING MACHINERY AND POLISHING PADS ON THE TILES.** These machines can cause extensive damage to the tiles.