

Ready To Go

# SimpleSpec 400.45-Tetria™

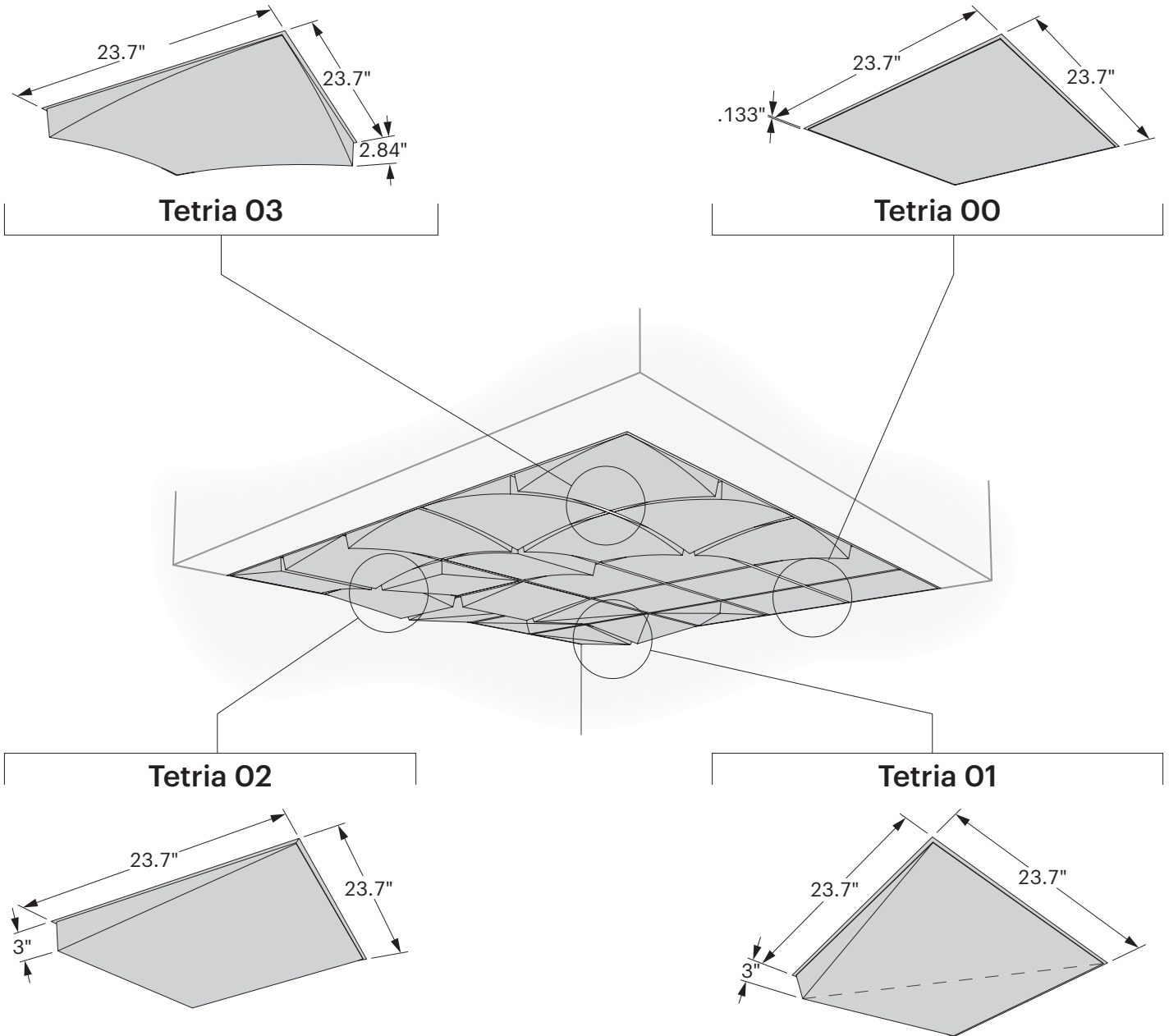
Installation Manual



For more information, please visit [3-form.com](http://3-form.com) or call 800.726.0126

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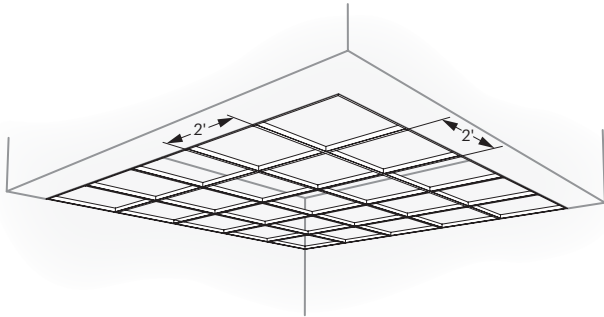
## Overview



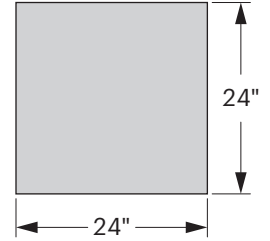
### Installation

#### 1 Preparation

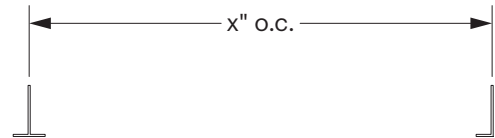
Prepare your ceiling to make sure your grid is set with 2'x2' openings.



**d** If there is an obstruction in the ceiling (can light, non-square tile, sprinkler, etc.), a square 24"×24" Tetria OO Tile will be supplied with your order. Use the configuration tool to indicate this upon specification.

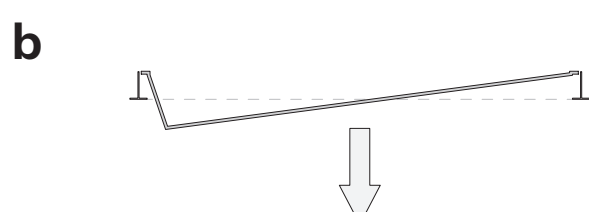
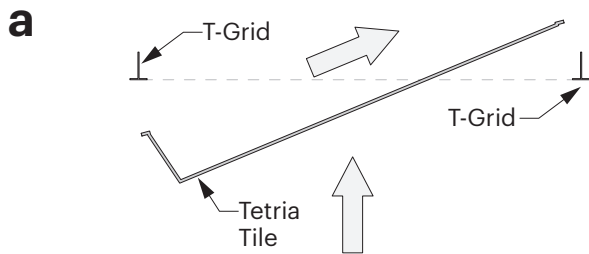


**e** To trim Tetria Tiles, measure opening dimension from "on center" or spline dimension.

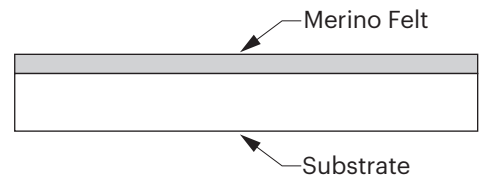


#### 2 Install Tile

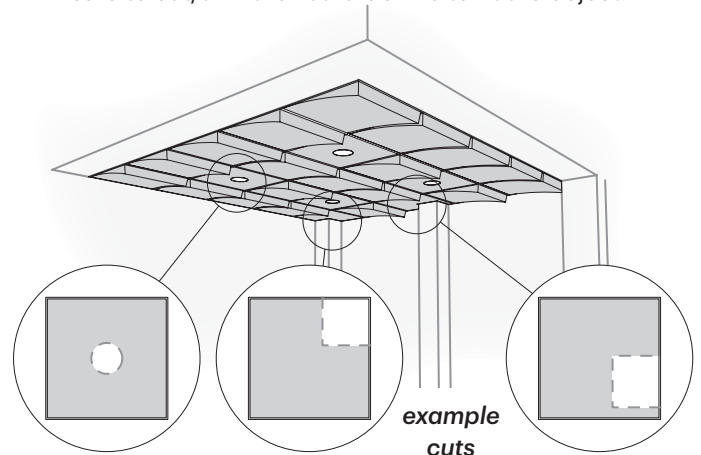
Angle the tile up in the T-grid cavity and drop the Tetria Tile so that all edges are resting flush in the grid system.



**f** Using a straight edge and utility knife, score and cut the material with the Merino side up.



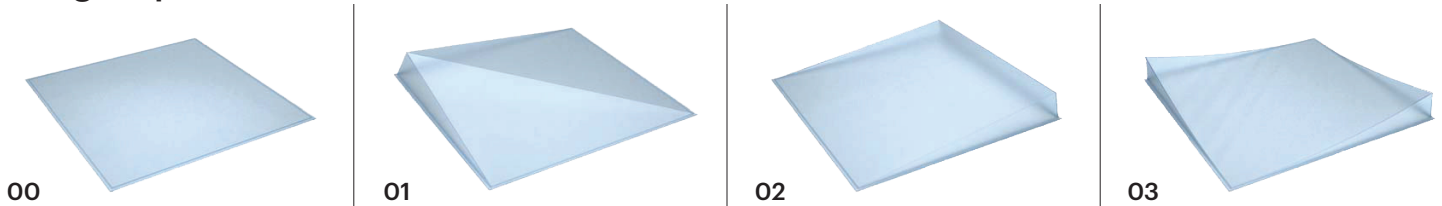
**g** For light fixtures and non-straight cutouts, take special care to cut/trim the Tetria OO Tile to fit the object.



### Product Description

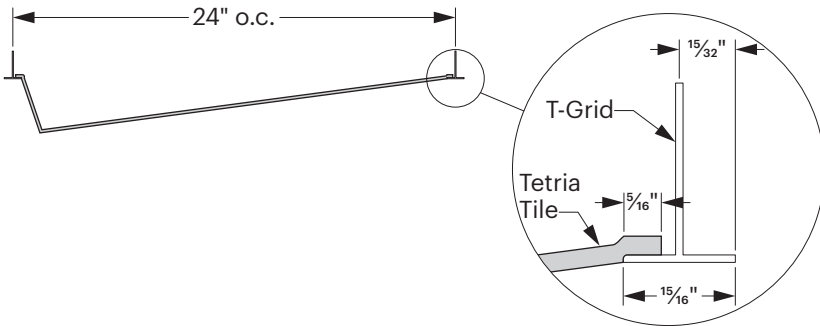
Tetria allows you to select from 3 different dimensional tiles to use in your existing T-grid drop ceiling application. Bring color, high acoustic performance and dimensional interest to your space.

### Design Options



### Grid Compatibility

Tetria is designed to work with 15/16" T-grid in a 2'x2' format. T-grid can be obtained via your local ceiling contractor.



### Finish

Tetria can be specified in any of 3form's 30 Merino Felt options.



### Panel Weight

1.55lbs/tile

### Sound Absorption Test Results

Material	Test	Result
Tetria Tiles	Noise Reduction Coefficient ASTM C423-07a	0.85
50% Tetria Formed + 50% Tetria Flat Tiles	Noise Reduction Coefficient ASTM C423-07a	0.75
50% Tetria Formed + 50% Tetria Flat Tiles	Alpha-W ASTM C423-07a	0.75

### Sabine Absorption Coefficients

Frequency (Hz)	Absorption Coefficient (Sabins/ft²)
100	0.28
125	0.24
160	0.26
200	0.36
250	0.47
315	0.61
400	0.63
500	0.74
630	0.78
800	0.86
1000	0.87
1250	0.91
1600	0.88
2000	0.85
2500	0.83
3150	0.77
4000	0.77
5000	0.76

### Flammability/Smoke Test Results

Material	Test	Tetria	Result
Thermoformed Merino Felt and Backer	ASTM E84 Flame Spread Smoke Developed	25 100	Class A: 0-25 <450