

## TECTUM Lay-In Ceiling Panels

Tectum Lay-In Ceiling Panels combine a unique textured beauty with superior abuse resistance.

These impact resistant wood fiber panels combine several functions that truly set them apart for use in commercial, institutional, recreational and industrial buildings.

The panels are available in a wide range of sizes. They can be cut easily and shaped with standard woodworking tools, and installed in standard intermediate duty,  $\frac{15}{16}$ " grid systems. By using Lay-In, Tonico, Multiplane, and Designer Series Tectum panels, the designer can create a variety of three-dimensional patterns.

Tectum Lay-In Ceiling Panels are available in their attractive unpainted natural finish, painted white or in custom colors. These panels may be painted or re-painted in the field up to six times without reducing their acoustical properties.

Tectum decorative and acoustical panels can take repeated abuse and still maintain their strength and appearance. Tectum Lay-In Ceiling Panels have remained the product of choice for over 60 years for any area where noise is a problem. In areas where ceilings face abuse, Tectum Lay-In Ceiling Panels are the best long-term solution.

Tectum ceiling panels meet the requirements of ASTM E-1264 Type XIV pattern L Class A.

**NOTE: There is no asbestos, nor has there ever been any asbestos, used in Tectum products.**



### FEATURES:

- Reduces noise—NRC up to 1.00
- Class A/Class I interior finish
- Durability—tough, abuse resistant
- Flexible—easy to use
- Economical—longer life span
- Can be field painted six times (See *Marketing Bulletin M-77* on our website for specific applications.)
- World-wide distribution
- Proven performance—over 50 years
- R-Value is 1.75/inch
- Light reflectance up to .75



**TECTUM<sup>INC</sup>**  
The Noise Control Solution

P.O. Box 3002  
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Newark, OH 43055

## TECTUM ACOUSTICAL PERFORMANCE

### TECTUM ACOUSTICAL LAY-IN CEILING TILE

#### SOUND ABSORPTION COEFFICIENTS

Panel Type	125	250	500	1000	2000	4000	NRC	Mounting
1" x 24" x 24" Lay-In	.40	.43	.35	.48	.60	.93	.45	E-400
1 1/2" x 24" x 24" Lay-In	.44	.43	.33	.49	.66	.77	.50	E-400
2" x 24" x 24" Lay-In	.48	.46	.36	.55	.74	.79	.55	E-400
1" x 24" x 24"								
Tonico / Soft Tonico	.37	.43	.34	.45	.58	.94	.45	E-400
1 1/2" x 24" x 24" Designer	.44	.47	.36	.51	.71	1.06	.50	E-400
1 1/2" x 24" x 24"								
Designer Plus	.35	.42	.39	.51	.72	1.05	.50	E-400
2" C-2 24" x 24"	.43	.50	.42	.62	.86	1.04	.60	E-400
3" C-3 24" x 24"	.70	.50	.52	.76	.92	1.16	.70	E-400
1" x 24" x 24" Lay-In								
panel with 6 1/4" Fiberglass Backing	1.01	.89	1.06	.97	.93	1.13	.95	E-400
1" x 24" x 24" Tonico / Soft Tonico with 6 1/4" Fiberglass Backing	1.14	1.01	1.06	.94	.93	1.12	1.00	E-400
1" x 24" x 24" Lay-In panel with 3 3/8" Fiberglass Backing	.85	.81	.84	.82	.83	1.01	.85	E-400

## TECTUM PRODUCT

Panel Type	Nominal Thickness (inches)	Actual Size (inches)	Edge Detail	Factory Finish	Light Reflectance	Flame Spread	Weight LBS/SF				
							1"	1 1/2"	2"	2 1/2"	3"
Standard Tectum Lay-In	1, 1 1/2, 2	23 3/4 x 23 3/4, 47 1/4	Square	White, Natural, Custom Colors	.75 / .60	0-25	1.63	2.53	3.3		
Acousti-Tough Ceiling System™	1, 1 1/2, 2	23 3/4 x 23 3/4, 23 3/4 x 47 3/4	Square	White, Natural, Custom Colors	.75 / .60	0-25	1.63	2.53	3.3		
Tonico	1, 1 1/2	23 3/4 x 23 3/4, 47 3/4, 23 3/4 x 47 3/4, 47 3/4 x 47 3/4	Face Rabbeted	White, Natural, Custom Colors	.75 / .60	0-25	1.63	2.53			
Designer Series	1, 1 1/2	23 3/4 x 23 3/4, 23 3/4 x 47 3/4, 23 3/4 x 95 3/4	Face Rabbeted	White, Natural, Custom Colors	.75 / .60	0-25	1.63	2.53			
Designer Series Plus	1, 1 1/2	23 3/4 x 23 3/4	Face Rabbeted	White, Natural, Custom Colors	.75 / .60	0-25	1.63	2.53			
Multi-Plane	1, 2, 2 1/2, 3	23 3/4 x 23 3/4	Face Rabbeted	White, Natural, Custom Colors	.75 / .60	0-25	1.63		3.3	4.3	5.3
Soft Look Tonico	1	23 3/4 x 23 3/4, 47 3/4	Face Rabbeted	White, Natural, Custom Colors	.75 / .60	0-25	1.63				

### ENVIRONMENTAL STATEMENT - LEED CONTRIBUTION

All excelsior used in Tectum products comes from a single source that is affiliated with both the Forest Stewardship Council (FSC) and the Sustainable Forestry Initiatives (SFI) programs. Magnesium oxide is mixed with magnesium sulfate (Epsom salts) to form the primary binder. The magnesium sulfate solution has been manufactured on site by reclaiming waste materials since production began in 1949. The secondary binder is composed of sodium silicate and calcium carbonate (limestone). All of the water used in the manufacture of Tectum is captured and recycled.

#### TECTUM PRODUCTS AND LEED

Tectum Inc. fully endorses the LEED Green Building Rating System.

Our products may contribute to the following LEED credit areas:

- EA Prerequisite 2: Minimum Energy Performance
- EA Credit 1: Optimized Energy Performance
- MR Credit 2: Construction Site Waste Management
- MR Credit 4: Recycled Content
- MR Credit 5: Regional Materials
- MR Credit 6: Rapidly Renewable Resources
- MR Credit 7: Certified Wood

- EQ Prerequisite 3 (LEED for Schools): Minimum Acoustical Performance
- EQ Credit 3.1 and 3.2: Construction IAQ Plans
- EQ Credit 4.1: Low-Emitting Materials, Adhesives and Sealants
- EQ Credit 4.4: Low-Emitting Materials, Composite Wood & Agrifiber Products
- EQ Credit 10 (LEED for Schools): Mold Prevention
- EQ Credit 11 (LEED for Schools): Low-Impact Cleaning and Maintenance Equipment Policy
- ID Credit 1: Innovation in Design