



MirroFlex™ Structures Perforated/Acoustical Tile Technical Information

GENERAL INFORMATION:

Description:

- MirroFlex™ Structures Perforated/Acoustical Tiles are perforated thermoplastic tiles with high impact resistance, and are available in over 40 patterns for 2'x2' lay in applications. There are matte and gloss finish options in two colors, black or white. They can be used as a decorative product where other acoustical 2'x2' lay in ceiling tiles are typically used.
- MirroFlex™ Structures Perforated/Acoustical Tiles can easily be cut to size with razor knives or scissors.
- Size (nominal) - 2' x 2' x .030" (610 x 610 x .76 mm). This is a dimensional product, so actual thickness varies by pattern.
- Product ships with clear protective film.
- UPS Shippable

Applications:

- Acoustic absorption without compromising the decorative component
- Easy upgrade for remodeling or new construction
- Commercial Market Uses:
 - Office – offices, lobby/reception, conference rooms, hallways
 - Education – class rooms, auditoriums, hallways
 - Healthcare – patient rooms, lobby/reception, operating rooms, hallways
 - Hospitality – restaurants, bars, hotels/motels

PHYSICAL PROPERTIES:

NRC = 0.55 (when used with poly fiber backer)

NRC = 0.45 (when used with mineral fiber tile)

Holes:

Open area: 12.7%
Hole diameter: 1.25 mm

TECHNICAL PROPERTIES:

PROPERTY	TEST METHOD	TYPICAL VALUE
Fire Retardant	ASTM E-84	Class A
QUV		Minimum 1,500 hours
Solvent Resistance		50 MEK
Humidity		12 hrs 96-100% RH @ 40 degrees C on MDF
MEK Double Rubs/Crockmeter		Withstands 70 cycles
Impact Resistance	ASTM D5420	>2 inch lbs per mill of thickness

ADDITIONAL INFORMATION:Stain Resistance Properties

	Material	Perforated/ Acoustical Tile	
		24 Hrs	7 Day
1	Wesson® Oil	N	N
2	Household Ammonia	N	N
3	409® all purpose cleaner	N	N
4	Tide® laundry detergent	N	N
5	Isopropyl Alcohol	N	N
6	Clorox®	N	N
7	Grape Juice	N	N
8	Orange Juice Concentrate	N	N
9	Coffee	N	N
10	Mustard	N	N
11	Ketchup	N	N
12	Red wine	N	N
13	Coca-Cola®	N	N
14	Water	N	N
15	Black crayon	N	N
16	Lipstick	N	N
17	Pine-Sol®	N	N
18	Vinegar	N	N

N = no change

S = slight change

M = medium change

L = large change