

Quad Acoustic Wall + Ceiling Tiles

Quad Acoustic Tiles provide a combination of absorption and diffusion. This combination reduces reverberation but additionally scatters directional sound, controlling flutter and slap-back echoes while retaining a certain amount of “live” room characteristics. This is adequate for a “warmer” sound in classical and background music program.

- Technical Benefits:
 - Moderate control of unwanted reverberation in closed rooms.
 - Scattering of reflections from hard surfaces (proper acoustical placement required)
 - Improvements in clarity and intelligibility without “deadening” the room.

- Applications:
 - Home multimedia and AV environments
 - Commercial general usage, office and circulation areas.
 - Distributed background program areas.

- Performance Testing:
 - Flammability: ASTM E84 Class A
 - Acoustical: ASTM C423-09a/E795-05 (Type “A” Mounting)

Frequency	125	250	500	1000	2000	4000	N.R.C.
Quad Tiles	0.09	0.16	0.34	0.56	0.78	0.84	0.45

Deco Acoustic Wall Tiles

Even directly mounted on walls, Deco Acoustic Wall Tiles provide superior sound absorption in the mid and high frequencies range than alternative low-profile non-fiberglass panels. This makes them effective for acoustic treatment in rooms where conversation is the primary audio program. Moderate levels of absorption at the low frequency range will also keep the needed “warmth” in a room to benefit lower dynamic musical program such as classical music.

- Technical Benefits:
 - Moderate attenuation of chatter and din gathering areas.
 - Improvements in clarity and intelligibility without “deadening” the room, even as ceiling tiles.
- Applications:
 - Commercial general usage, office and circulation areas.
 - Conferencing rooms.
- Performance Testing:
 - Flammability: ASTM E84 Class A
 - Acoustical: ASTM C423-09a/E795-05

Frequency	125	250	500	1000	2000	4000	N.R.C.
Deco Tiles	0.02	0.07	0.25	0.53	0.8	0.88	0.40

Twist Acoustic Wall + Ceiling Tiles

Twist Acoustic Tiles provide moderate sound absorption towards the mid and high frequency range. The application of Twist Tiles over larger areas can provide the aesthetic benefits in the intended architecture without “overdoing” the level of sound treatment. Twist Tiles also make great building blocks for ceiling clouds and fronts for bass-trapping.

- Technical Benefits:
 - Moderate attenuation of chatter and din gathering areas.
 - Fronts for bass traps, additionally absorbing mid-high frequency sound energy.

- Applications:
 - Commercial general usage, office and circulation areas.
 - Home multimedia and AV environments

- Performance Testing:
 - Flammability: ASTM E84 Class A
 - Acoustical: ASTM C423-09a/E795-05 (Type “A” Mounting)

Frequency	125	250	500	1000	2000	4000	N.R.C.
Twist Tiles	0.04	0.07	0.16	0.36	0.65	0.76	0.30

Edge Acoustic Wall + Ceiling Tiles

Edge Acoustic Tiles provide an ultra-thin layer of sound absorption with versatile applications. These make great building blocks for ceiling clouds, air-gaps in front of walls, and fronts for bass-trapping.

- Technical Benefits:
 - Efficient fronts for conforming sound-trapping enclosures
 - Effective performance as ceiling tiles.
- Applications:
 - Commercial general usage, office and circulation areas.
 - Home multimedia and AV environments
- Performance Testing (*This raw data may not be relevant for this format*):
 - Flammability: ASTM E84 Class A
 - Acoustical: ASTM C423-09a/E795-05 (Type "A" Mounting)

Frequency	125	250	500	1000	2000	4000	N.R.C.
Edge Tiles	0.02	0.00	0.04	0.15	0.43	0.62	0.15

MIO FeltForms NRC Curve Analysis

