

Quilted Absorbers

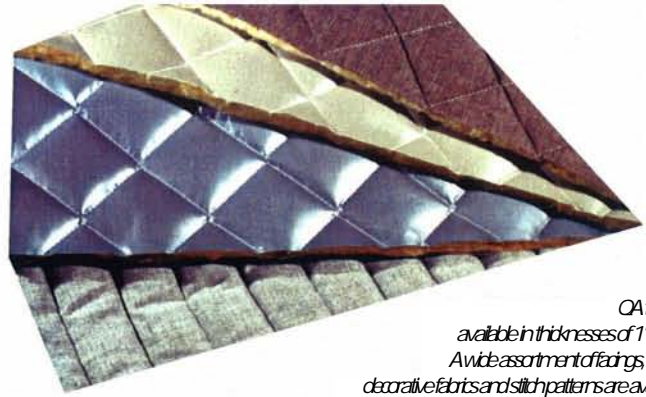


FEATURES

- ◆ Superior sound absorption
NRC ratings to 1.05
- Maximum durability, long life span
- Class 1 flammability rated
- Wide variety of facings, colors, stitch patterns
- Used in Architectural, Commercial, OEM & Industrial applications

Quilted Absorbers [QA]

Quilted Fiberglass Absorbers are fire safe, high performance acoustic blankets that are used to reduce reverberant (reflected) airborne noise energy in many diverse industrial and architectural applications as well as on original equipment. They are an excellent alternative to other materials since they are fire safe, exhibit low smoke emissions and possess high mechanical strength. Additionally, they have a wide range of temperature limits, can be cleaned, and are unaffected by moisture, humidity, dust, dirt, oils and most chemicals. Flexible quilted absorbers are easily installed, will not degrade and have extremely long service lives.



QA tiles are available in thicknesses of 1" to 4". A wide assortment of facings, colors, decorative fabrics and stitch patterns are available.

Sound Absorption Wall Panels and Overhead Ceiling Baffles

- ◆ Reduce reverberation
- ◆ Add sound absorption to environment
- ◆ Lower noise levels
- ◆ Tone room, turn hard reflective surfaces into soft, sound absorptive surfaces
- ◆ Improve communication





Industrial QA-10 (White) reduces noise levels inside and around this environment control booth.

Sound Absorption Liner

- ◆ Treat buildings, rooms or existing enclosure
- ◆ Reduces sound levels in interior of structure
- ◆ Glue-on backings or mechanical fasteners available

Flammability Ratings:

Model Numbers	Flame Spread	Smoke Density	Class
Vinyl coated fiberglass cloth faced QA1, QA4, QA7 QA10, QA14, QA20	17.66	22.75	1,A
Silicone coated fiberglass cloth faced QA2, QA5, QA8 QA11, QA6, QA22	4.95	11.43	1,A
Nonwoven porous air faced QA3, QA9, QA-18	5.07	.45	1,A

Flammability Testing per ASTM E-84:

"Surface Burning Characteristics of Building Materials"

Acoustical Data:

Sound Absorption Data		Random Incident Sound Absorption Octave Band Center Frequencies (Hz)						
Model No.	Nominal Thickness	125	250	500	1000	2000	4000	NRC
QA1	1 inch	.12	.47	.85	.84	.64	.62	.70
QA2	1 inch	.04	.46	.86	.81	.59	.31	.70
QA4	1 inch	.17	.30	.83	.82	.59	.37	.65
QA7	2 inches	.07	.27	.96	1.13	1.08	.99	.85
QA-10	2 inches	.19	.99	.96	.80	.57	.33	.85
QA-14	4 inches	.21	.89	1.09	1.17	1.13	1.07	1.05

Sound Absorption Data		Absorption Coefficients - Sabin/Unit Octave Band Center Frequencies (Hz)						
Model No.	Dimensions	125	250	500	1000	2000	4000	NRC
QA4 Baffles	2' x 4', 1" th	.59	2.43	7.17	8.66	8.82	6.71	6.75
QA-10 Baffles	2' x 4', 2" th	.91	6.07	8.25	8.88	6.65	5.58	7.45

Acoustical Testing per ASTM C423-77, C423-81, C423-84A, C423-90A

Product Information:

Model No.	Product Description	Quilted Fiberglass Absorbers Thickness		Nominal Quilted Roll Width	Roll Length
QA-1	Single layer fiberglass, one side faced with VCFC, opposite side faced with NPS	1	inch	48 inches	50 feet
QA-2	Single layer fiberglass, one side faced with SCFC, opposite side faced with NPS	1	inch	48 inches	50 feet
QA-3	Single layer fiberglass, both sides faced with NPS	1	inch	48 inches	50 feet
QA-4	Single layer fiberglass, both sides faced with VCFC	1	inch	48 inches	50 feet
QA-5	Single layer fiberglass, both sides faced with SCFC	1	inch	48 inches	50 feet
QA-6	Single layer fiberglass, one side faced with VCFC, opposite side faced with SCFC	1	inch	48 inches	50 feet
QA-7	Double layer fiberglass, one side faced with VCFC, opposite side faced with NPS	2 inches		48 inches	25 feet
QA-8	Double layer fiberglass, one side faced with SCFC, opposite side faced with NPS	2 inches		48 inches	25 feet
QA-9	Double layer fiberglass, both sides faced with NPS	2 inches		48 inches	25 feet
QA-10	Double layer fiberglass, both sides faced with VCFC	2 inches		48 inches	25 feet
QA-11	Double layer fiberglass, both sides faced with SCFC	2 inches		48 inches	25 feet
QA-12	Double layer fiberglass, one side faced with VCFC, opposite side faced with SCFC	2 inches		48 inches	25 feet
QA-14	Quadruple layer fiberglass, one side faced with VCFC, opposite side faced with NPS	4 inches		48 inches	25 feet
QA-20	Quadruple layer fiberglass, both sides faced with VCFC	4 inches		48 inches	25 feet
QA-22	Quadruple layer fiberglass, both sides faced with SCFC	4 inches		48 inches	25 feet

Facings:

Vinyl Coated Fiberglass Cloth (VCFC) - Standard

- ◆ Breaking Strength (warp and fill): 150 lb./in. and 100 lb./in.
- ◆ Tear Strength (warp and fill): 81lb. and 71lb. respectively
- ◆ Continuous Service Temperature Limits: -20°F to 180°F
- ◆ Moisture Permeability: 0.5 Perms
- ◆ Color: Gray, White, Tan, Black, (special colors available upon request)
- ◆ Other: Passes UL-181 Heat Aging Test

Silicone Coated Fiberglass Cloth (SCFC) - Optional High Temperature

- ◆ Breaking Strength (war and fill): 60 lb./in. and 55 lb./in.
- ◆ Tear Strength (warp and fill): 51lb. and 51lb. respectively
- ◆ Continuous Service Temperature Limits: -90°F to 550°F
- ◆ Moisture Permeability: 0.5 Perms
- ◆ Color: Gray

Nonwoven porous Scrim Fabric (NPS) - Backing

- ◆ Composition: 100% nonwoven nylon
- ◆ Fabric Weight: 0.7 oz. per square yard
- ◆ Tear Strength (warp and fill): 6 lb. and 5 lb. respectively
- ◆ Temperature Limit: Continuous exposure to 400°F

Fiberglass Batting

- ◆ 2 lb./cu. ft. density, 4-6 microns
- ◆ Thermal "R" Rating: 1" th. R =4, 2" th R=8

Consult factory for decorative fabric facings, optional quilting patterns, laminated facings, special size panels and die cut components.