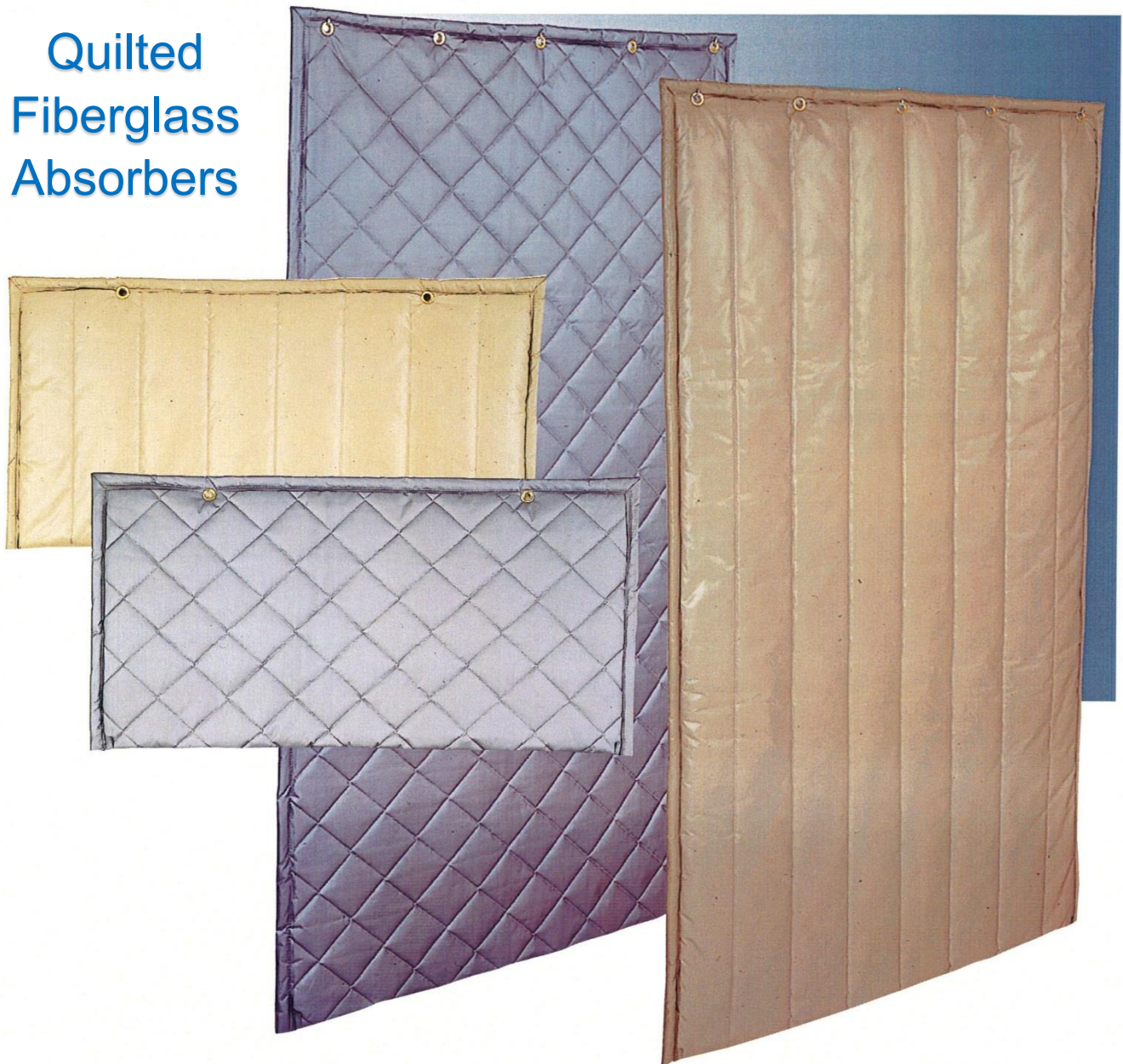


## Quilted Fiberglass Absorbers

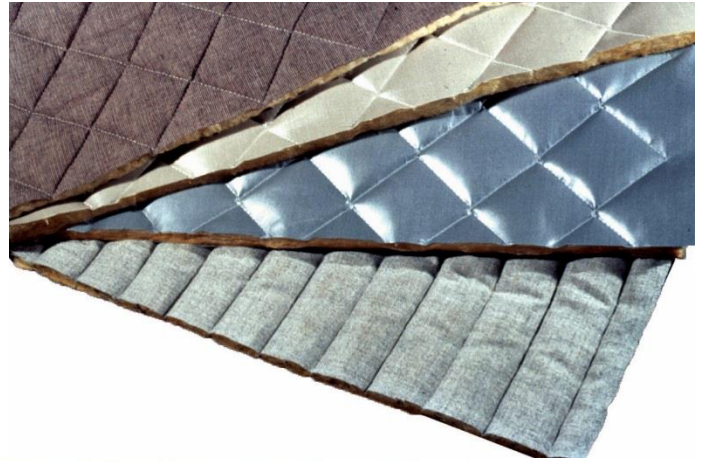


### Features:

- 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 Fiberglass Absorbers (QFA)

dB Engineering's Industrial Division Quilted Fiberglass Absorbers are fire safe, high performance acoustical fiberglass 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 urethane foams 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.



## 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



## Roll Goods

- In 25' to 50' length
- Standard width 48", custom widths available
- Available with finished edges bound and sewn, or with unbound edges





Industrial QFA-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: QFA-1, QFA-4, QFA-7 QFA-10, QFA-14 QFA-20	17.66	22.75	1,A
Silicone-coated-fiberglass-cloth faced: QFA-2, QFA-5, QFA-8 QFA-11, QFA-16, QFA-22	4.95	11.43	1,A
Non-woven porous scrim faced: QFA-3, QFA-9, QFA-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
QFA-1	1 inch	.12	.47	.85	.84	.64	.62	.70
QFA-2	1 inch	.04	.46	.86	.81	.59	.31	.70
QFA-4	1 inch	.17	.30	.83	.82	.59	.37	.65
QFA-7	2 inches	.07	.27	.96	1.13	1.08	.99	.85
QFA-10	2 inches	.19	.99	.96	.80	.57	.33	.85
QFA-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
QFA-4 Baffles	2' x 4', 1" th	.59	2.43	7.17	8.66	8.82	6.71	6.75
QFA-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

## Facings:

### Vinyl Coated Fiberglass Cloth (VCFC) - Standard

- Breaking Strength (warp and fill): 150 lb. /in. and 100 lb. /in.
- Tear Strength (warp and fill): 8lb. and 7lb. 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 (warp and fill): 60lb. /in. and 55 lb. /in.
- Tear Strength (warp and fill): 5lb. and 5 lb. 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

**Product Information:**

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

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