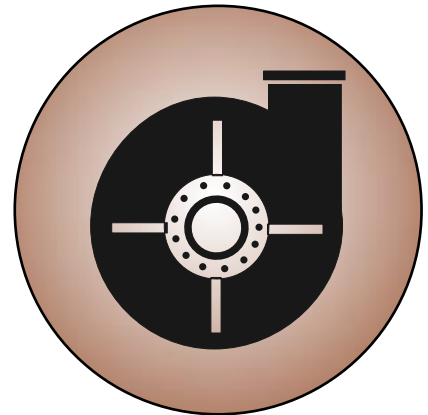
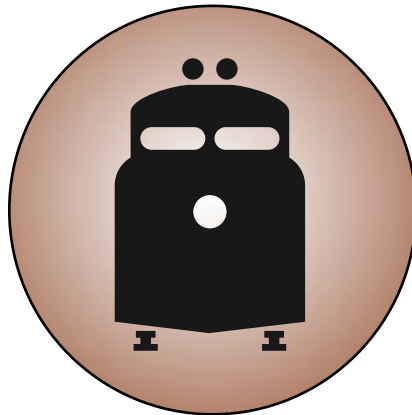


## Quilted Fiberglass Absorbers



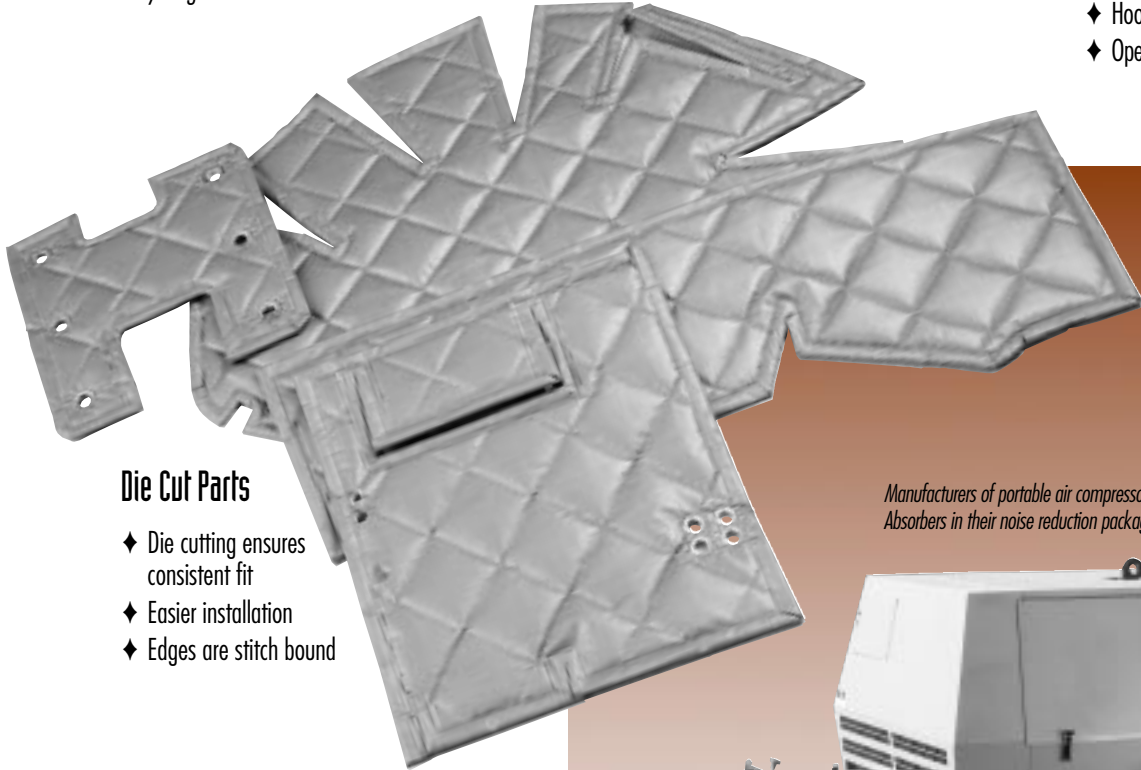
# OEM



Sound Seal® Quilted Fiberglass Absorbers are fire safe, high performance acoustical fiberglass blankets that are used to reduce reverberant (reflected) airborne noise energy in many diverse OEM and industrial applications. 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. Quilted Fiberglass Absorbers are easily installed, will not degrade and have extremely long service lives.

## Applications

- ◆ Machinery housings
- ◆ Electrical cabinets
- ◆ Engine compartments
- ◆ Equipment enclosures
- ◆ Firewalls
- ◆ Hoods
- ◆ Operator cabs



### Die Cut Parts

- ◆ Die cutting ensures consistent fit
- ◆ Easier installation
- ◆ Edges are stitch bound

Manufacturers of portable air compressors benefit by specifying Quilted Fiberglass Absorbers in their noise reduction package.



Quilted Fiberglass Absorbers have been used extensively as sound absorbing liners by original equipment manufacturers in almost any place where generated sound energy can build up and a reduction of noise is desirable or required.



Original Equipment Manufacturers of portable generator sets meet and surpass their noise reduction requirements by installing die-cut Quilted Fiberglass Acoustical Panels.

### Roll Goods

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





*Sound seal QFA-10 (White) reduces noise levels inside and around this environment control booth.*

### Features:

- ◆ Excellent low frequency absorption
- ◆ Low smoke and flame
- ◆ Extremely long service life
- ◆ Glue-on backings or mechanical fasteners available
- ◆ Lightweight
- ◆ Water resistant, washable
- ◆ Capable of being combined with Noise Barrier or Damping Sheet to combat difficult problems that one material alone cannot handle

### 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:  
FMVSS 302

### 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

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

## Product Information:

Model No.	Quilted Fiberglass Absorbers Product Description	Nominal Quilted Thickness	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

## 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): 60 lb./in. and 55 lb./in.
- ◆ Tear Strength (warp and fill): 5lb. and 5lb. 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
- ◆ Thermal "K" Factor = .25

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

Distributed By



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