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# Die-Cut & Fabrication Services

## Key Advantages and Markets

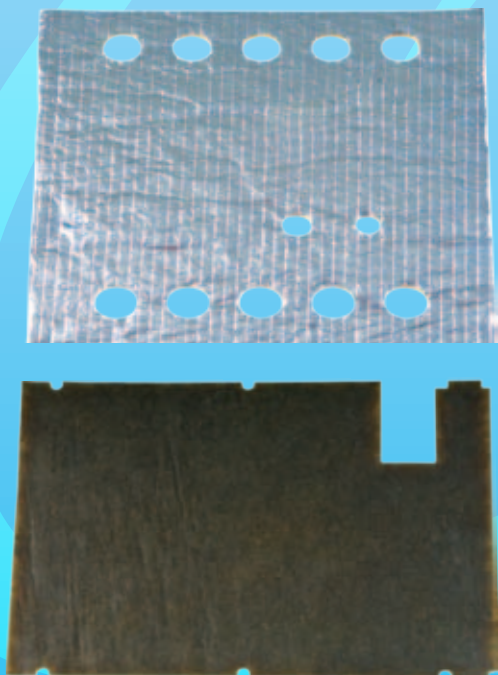
**Quietflex® Brand Die-Cut and Fabrication Services** offers other services to meet the various needs of our customers. The ability to laminate, die-cut and offer compression packaging in the same facility where the fiberglass blanket is manufactured offers tremendous convenience to the end user. Just send in your requirements and Quietflex® will be happy to work with you to customize the solution for your needs.

### Advantages

- **One Stop Shop for Fiber Glass and Fabrication**  
Minimizing sourcing needs and scrap.
- **Laminating Capabilities**  
UL rating capable
- **68"x68" Die-Cut Capability**
- **Multiple Press Capacity**
- **Compression Packed Shipping**

### Markets

- HVAC
- LNG
- Lighting
- Gaskets
- Appliance



## Technical Data

DESCRIPTION	RESULTS	SPECIFICATION
Temperature Limit (Unfaced)	450°F	ASTM C 411
Fire Hazard Classification-Flame Spread Index	Less than 25	ASTM E 84 and UL 723
Fire Hazard Classification-Smoke Developed Index	Less than 50	ASTM E 84 and UL 723
Water Vapor Sorption	Less than 1% by Weight	ASTM C 1104
Corrosion Resistance	Meets Requirements with Aluminum, Steel or Copper	ASTM C 665
Microbial/Fungal Growth	Does Not Support the Growth of Mold, Fungi and Bacteria	ASTM C 1338, G 21, G 22
Limited Combustible	Less than 3500 BTU/lb	NFPA 90A and 90B
Odor	Pass	ASTM C 1304

## Thermal Values (ASTM C 518)

DENSITY	THICKNESS	K-VALUE	C-VALUE	R-VALUE
lb/ft <sup>3</sup>	Inch	Btu-in/h-ft <sup>2</sup> -°F	Btu/h-ft <sup>2</sup> -°F	h-ft <sup>2</sup> -°F/Btu
0.75	1.0	0.33	0.33	3.0
	1.5		0.22	4.5
	2.0		0.17	6.1
1.00	1.0	0.30	0.30	3.3
	1.5		0.20	5.0
	2.0		0.15	6.7
1.50	0.5	0.26	0.52	1.9
	1.0		0.26	3.8
	1.5		0.17	5.8
	2.0		0.13	7.7
2.00	0.5	0.24	0.48	2.1
	1.0		0.24	4.2
	1.5		0.16	6.3
	2.0		0.12	8.3
3.00	0.5	0.23	0.46	2.2
	1.0		0.23	4.3
	1.5		0.15	6.5

## Acoustical Value

(Sound Absorption Coefficients, 1/3 Octave Bands, ASTM C 423, Type A Mounting)

DENSITY	THICKNESS	ABSORPTION COEFFICIENTS – SABINS/FT <sup>2</sup>						
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
lb/ft <sup>3</sup>	Inch							
1.50	0.50	0.06	0.18	0.32	0.52	0.66	0.73	0.40
	0.75	0.11	0.24	0.41	0.61	0.76	0.81	0.50
	1.00	0.16	0.36	0.57	0.90	0.90	0.95	0.70
2.00	0.50	0.06	0.16	0.31	0.53	0.70	0.77	0.40
	0.75	-0.02	0.25	0.43	0.74	0.87	0.93	0.55
	1.00	0.13	0.34	0.67	0.98	0.98	0.98	0.75
3.00	1.00	0.18	0.37	0.79	1.05	1.00	1.00	0.80

## Thickness and Density

THICKNESS	MIN DENSITY	MAX DENSITY
Inch	lb/ft <sup>3</sup>	lb/ft <sup>3</sup>
0.5	1.50	3.00
1.0	1.00	3.00
1.5	0.75	3.00
2.0	0.75	2.40
2.5	0.75	1.90
3.0	0.75	1.60
3.5	0.75	1.35
4.0	0.75	1.20
5.0	0.75	0.95
6.0	0.75	0.80

Quietflex® can make custom thickness and/or density to fit exactly to your application. Available in either amber or black color. Board products can be made in 3lbs/ft<sup>3</sup> density on special request.

## Packaging

- Packed and Sealed in a Polyethylene Bag
- Vacuum Packed
- Polyethylene Sleeve Placed Over the Roll
- Shrink Wrapped 4 Rolls to a Bundle

## Size

WIDTH	LENGTH	THICKNESS
Minimum: 24" Maximum: 120"	Length will be based on density and width to keep roll weights under 130lbs.	Between 1/2" and 6"

## WARNING!!!

Textile glass fibers are used to manufacture this fiberglass insulation product. Handling, installing, or removing the product may result in some fiberglass contact. Users of this product are therefore advised to wear appropriate personal protective equipment so as not to experience skin, eye, or respiratory irritation. Gloves and eye protection, long sleeved, loose fitting clothing are recommended when installing or otherwise handling the product. Avoid breathing fiberglass dust and avoid contact with skin or eyes. A NIOSH approved (N95 or higher) disposable or reusable dust respirator properly fitted is recommended whenever the product is handled. Respiratory protection is mandatory when the dust levels in the workplace exceed OSHA permissible exposure limits or if worker irritation occurs. Work clothes should be washed separately and the washer rinsed after use.

## FIRST AID MEASURES

If dust gets into eyes flush eyes with water to remove the fiber dust. If symptoms persist seek medical attention. Fibers can be removed by washing the skin with soap and warm water after handling this product. Further product safety information is available from your employer. The Material Safety Data Sheet is available from your distributor, directly from Quietflex or on the Quietflex website [www.quietflex.com](http://www.quietflex.com)

The physical and chemical properties of Quietflex Semi-Cured Blanket represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. The data is supplied as a technical service and is subject to change without notice. Check with Quietflex Manufacturing Company, L.P. to obtain current information.



QUALITY MANAGEMENT SYSTEM  
CERTIFIED BY DNV  
ISO 9001:2000  
Houston Facility

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