

CFAB™

Cellulose-Based Acoustical & Thermal Panels

CFAB

CFAB acoustical panels are manufactured from cellulose-based environmentally-friendly materials. Consisting of 65-75% recycled content, CFAB cellulose products represent a very green solution for acoustically-absorbent materials. They are an innovative, yet sustainable, alternative to traditional fiberglass and synthetic acoustical and thermal panels and are excellent performers in a variety of different applications.

CFAB PANELS



STOP NOISE

ACOUSTICAL
SURFACES INC.

CFAB™

Cellulose-Based Acoustical & Thermal Panels

FEATURES & BENEFITS

- Controls sound reflections & reduces echoes
- Class A Fire Rated
- Resists mold growth
- Easy to handle & install – no special equipment required
- Made from renewable & recycled fibers

APPLICATIONS

CFAB cellulose panels can be used in any area that calls for acoustical treatment. Typical applications include gun clubs, auditoriums, bars, restaurants, open office areas, hotels, retail stores, theaters, schools, band rooms, convention centers, gymnasiums, houses of worship, music practice and sports and entertainment venues and more.



CFAB Cellulose Panels – Acoustical Testing Data

Thickness	Absorption Coefficients @ Octave Band Frequencies (Hz)						NRC
	125	250	500	1,000	2,000	4,000	
1/2"	0.05	0.09	0.33	0.64	0.87	1.01	0.50
1"	0.09	0.26	0.84	1.05	1.05	1.05	0.80
2"	0.39	0.63	1.18	1.11	1.06	1.09	1.00

CFAB Cellulose Panels – Physical Property Data

Property	Test Method	Value
Surface Burning Characteristics	ASTM E-84, UL 723	Flame Spread: 15 Smoke Developed: <450 (Class A)
Critical Radiant Flux	ASTM E-970	>0.12 w/cm ²
Corrosiveness	ASTM C-739	Acceptable
Fungal Growth	ASTM C-1338	Acceptable
Thermal Resistance	ASTM C-518	3.6 – 3.7 R per inch
Moisture Absorption	ASTM C-739	Acceptable
Odor Emission	ASTM C-1304	Acceptable

GREEN QUALITIES

Made from a combination of recycled and renewable fibers, CFAB cellulose products are environmentally responsible and sustainable. Plus, most CFAB cellulose products are completely recyclable, and no scrap is produced during manufacturing or installation of the material. They are also manufactured with a greener process by reducing energy use and air pollution. Through an innovative manufacturing process, CFAB is produced as a cellulose based product made primarily from post consumer and post industrial paper, with recycled newspaper being the main raw material.

SIZES

Panel sizes: Standard 2' x 4'.
4' x 4', 4' x 8' minimum qty's may apply.

THICKNESSES

1/2", 1", or 2".

DENSITIES

3 lb. (1", 2" thick), 6 lb. (1" thick), & 8 lb. (1/2", 1" thick) per cubic foot

FLAMMABILITY

ASTM E-84 Class A.

ACOUSTICAL POROSITY

The open design and density of CFAB cellulose acoustical panels increases sound absorption to control and deaden sound. CFAB cellulose acoustical panels achieve high Noise Reduction Coefficient (NRC) ratings based on the density specified. The chart represents NRC ratings using a standard weight material. Sound Transmission Classification (STC) ratings have been measured for specific applications. STC values are determined by all of the construction materials in an assembly. The STC ratings exceed the values attained with commonly used acoustical materials, and can be given on request.

PRODUCT SAFETY

CFAB cellulose panels have a Class A fire rating. They do not produce any harmful airborne particles and do not itch or irritate skin like fiberglass insulation. Easy to handle and soft to the touch, CFAB cellulose panels can be left exposed. To protect against mold growth, CFAB cellulose panels contain an EPA-registered fungicide.

Test Reports & Additional Information Can be Found at:

<https://www.acousticals-surfaces.com/cellulose-panel/cellulose-panels.html>

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