



# Acoustical Surfaces, Inc.

**SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS**

123 Columbia Court North • Suite 201 • Chaska, MN 55318

(952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: [sales@acousticalsurfaces.com](mailto:sales@acousticalsurfaces.com)

Visit our Website: [www.acousticalsurfaces.com](http://www.acousticalsurfaces.com)

**We Identify and S.T.O.P. Your Noise Problems**

## CFAB™ Cellulose Panels

### Cellulose-Based Acoustical & Thermal Panels

- Controls & Deadens Sound
- Reduces Airborne Sound Transmission
- Blocks Outdoor Noise
- Easy to Handle & Install – No Special Equipment Required
- Class A Fire Rating
- Resists Mold Growth
- Made From Renewable & Recycled Fibers



CFAB cellulose panels are an industry first cellulose-based material. Consisting of 65-75% recycled content, CFAB cellulose products represent a very green solution for acoustical materials. They are an innovative, yet sustainable, alternative to traditional fiberglass and synthetic acoustical and thermal panels, and are true performers in a variety of different applications.

**APPLICATIONS:** CFAB cellulose panels can be used in any area that calls for acoustical or thermal treatment. They can be covered with fabric or other decorative material. Typical applications include but are not limited to insulation components, office panels, acoustic panels/inserts, and any molded, flat panel or lofted parts.

**SIZES:** CFAB cellulose panels are available in 2'×4', 4'×4', and 4'×8' panels. Panels are available in ½", 1", or 2" thickness.

**DENSITIES:**

3 lb. psf – 1" Thickness & 2" Thickness

6 lb. psf – 1" Thickness

8 lb. psf – ½" Thickness & 1" Thickness

**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.

**Acoustical Performance:** 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 below represents NRC ratings using a standard weight material. Sound Transmission Classification (STC) ratings have been done 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.

**Product Safety:** Homeowners are concerned with safety, especially when it comes to one of their biggest investments, their homes. CFAB cellulose panels have a Class A fire rating. They do not contain 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, painted or covered with drywall. To protect against mold growth, CFAB cellulose panels contain an EPA registered fungicide.

**CFAB Cellulose Panels – Acoustical Testing Data**

Thickness	Absorption Coefficients @ Octave Band Frequencies (Hz)						NRC
	125	250	500	1,000	2,000	4,000	
½"	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/cm²
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