

ACUSTIFIBRA

Thermal and acoustic insulation made of bio soluble glass fibers bonded with a thermosetting resin, uniform texture presented in boards, wrinkled and flattened appearance without facing. It is recommended for noise absorption solutions and noise transmission control.

Aplicaciones y Soluciones:

- Cielos Rasos, Muro Interior
- Puntos Fijos
- Auditorios, Cinemas
- Estudios de Grabación
- Puertas y Divisiones Acústicas Móviles
- Cuartos Técnicos
- Calderas



END USE CHARACTERISTICS AND LIMITATIONS

The product has been designed to be installed in high sound absorption systems and acoustical reconditioning such as thermal acoustic panel for walls and hanging. During the design of the system the dimensional tolerances must be considered for any appliance. The product is designed especially for indoor spaces, used in the acoustical conditioning of open and close spaces, industrial areas and places where there are excessive noise levels.Product certified by LAPEM (Testing Laboratory Equipment and Materials, Mexico)

PRODUCT SPECIFICATION

Product	Length mm	Wide mm	Thickness (2) mm	Weight ±10% kg/m² (g/ft²)
ACUSTIFIBRA 2.44 x 1.22m x 1"	2430 ± 5mm	1220 ± 3mm	152 ± 3mm	2.32 (215.5)
ACUSTIFIBRA 2.44 x 1.22m x 1.1/2"	2440 ± 5mm	1220 ± 3mm	152 ± 4mm	3.48 (323.3)

(1)Measurement method, stack height: Average of 4 measurements taken on the centers from the stack.
(2)Squareness: 90° square angle, 3 mm maximum deviation

Properties	Standard	Acustifibra (1 in)	Acustifibra (1.1/2 in)
Thermal performance (Thermal Conductivity)	ASTM C411	(0.24 BTU.in/hr.ft ² .°F a 75°F T. media)0.0344 W/m.°C(24 °C T. media)	(0.24 BTU.in/hr.ft ² .°F a 75°F T. media)0.0344 W/m.°C (24 °C T. media)
Thermal performance (Thermal Resistance)	ASTM C518	4.1 hr.ft ² .°F/BTU (0.72 m ² .°C/W)	6.25 hr.ft ² .°F/BTU (1.10 m ² .°C/W)
Acoustic Performance	ASTM 423 (1)	NRC: 0.7	NRC: 0.9
Water vapor Sorption	ASTM C1104/ C1104M	<3% weight 120°F (49°C), 95% R.H.	<3% weight 120°F (49°C), 95% R.H.
Surface Burning Characteristics	ASTM E84 FS/SD 5/50	Flame Spread Index < 25 Smoke Developed Index <50	Flame Spread Index < 25 Smoke Developed Index <50
Corrosiveness	ASTM C665 / ASTM C795	Meets requirements	Meets requirements
Rigidity	ASTM C1101 / C1101M	Classified as Semi – Rigid	Classified as Semi – Rigid
Linear Shrinkage	ASTM C356	<2 % change in length	<2 % change in length
Fungi Resistance	ASTM C1338	Meets requirements	Meets requirements
Odor Emission	ASTM C1304	Meets requirements	Meets requirements
DBE Content	Oregon State	Free, Meets requirements	Free, Meets requirements

VISUAL STANDARD

Characteristic	Acceptance guide
Color	The product is yellow. Color can go from light yellow to dark yellow. Color variation does not affect acoustical and thermal product performance.
Surface Appearance	White and hard patches are allowed in an area no larger than 26 cm ² . Blown wool or pieces of glass are not allowed. These changes do not affect the acoustic and thermal performance of the product. If the product is going to be used with any type of finish or lined, the customer must ensure the required final appearance based on the visual standard guide. The product does not break under normal conditions; proper handling must be assured in the transportation and warehousing. The handling must be made with special care.

PACKAGING

Product	Unitis / Package	área/package (m²)	Net weight +/-10% kg/package
Acustifibra 2.44m x 1.22m x 1"	6	17.86	41.4
Acustifibra 2.44m x 1.22m x 1.1/2"	4	11.90	41.4

GROSS WEIGHT (kg/package) = NET WEIGHT (kg/package) + 0.8 kg approx.

Package: Polyethylene shrink-package extremes open, cardboard corner protector and autoadhesive label.

CONTENIDO RECICLADO

- (1) PI Post Industrial Recycled Content: Recovered from the Manufacturers or industry
(2) PC Post-Consumer: Recovered from end uses.

Total recycled content	Post insdustrial recycled content (1)	Post consumer recycled content (2)
70.1%	70.1%	0%

CFE Una empresa de clase mundial
LAPEM
LABORATORIO DE PRUEBAS DE EQUIPOS Y MATERIALES

FIBERGLASS COLOMBIA S.A PROVEEDOR AUTORIZADO

El Laboratorio de Pruebas Equipos y Materiales (LAPEM) es una organización de la Comisión Federal de Electricidad que tiene como objetivo atender las necesidades del sector eléctrico nacional e internacional, proporcionando estudios de ingeniería especializada, pruebas de laboratorio y campo a equipos y materiales.

Fiberglass Colombia S.A - Colombia
Planta Mosquera
Mineral Glass Wool AA1

 Certificado No.385 Lana Mineral de vidrio biosoluble FGC. Nota Q de la regulación EC 1272/2008 conforme al Parlamento y al Consejo Europeo.

European Certification Board for Mineral Wool Products

N° CO11/4442 Sistema de Gestión de la Calidad para la producción y venta de membranas impermeabilizantes modificadas (mantos, con o sin recubrimiento autoprotector) y emulsiones asfálticas, Cielo rasos en fibra de vidrio con acabado decorativo. Láminas y rollos flexibles en fibra de vidrio para la fabricación y recubrimiento interno y externo de conductos para transporte de aire acondicionado. Aislamientos térmicos y acústicos rígidos, flexibles y preformados.	 Norma - ISO 9001:2015 Producto fabricado bajo un sistema de administración de calidad certificado de conformidad con ISO 9001.	Los valores reportados son típicos de pruebas llevadas a cabo en muestras tomadas de producción estándar y podrían ser actualizados sin previo aviso. El usuario es responsable de determinar si el producto está recomendado para una superficie en particular y si se adapta a la aplicación requerida por este. El usuario debe hacer las pruebas y ensayos de aplicación del producto que requiera para tal efecto. <i>Copia no controlada. La información contenida en este documento puede ser actualizada sin previo aviso.</i>
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