

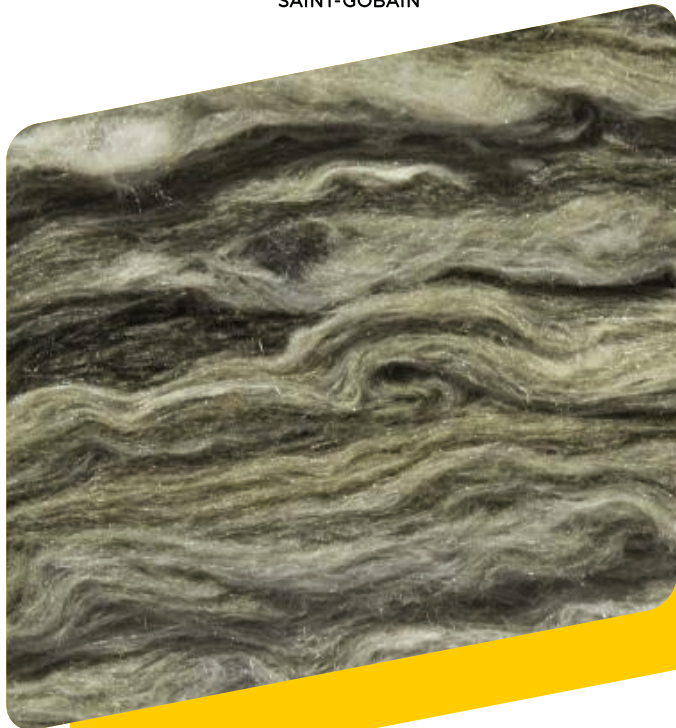
# ISOVER ARENA

Water repellent, thermal and Acoustic insulation of mineral wool. The material consists of bio soluble glass fibers bonded in a thermosetting resin with uniform texture. For vertical enclosures of facades and internal partitions, presented in semi-rigid panels.

## *Applications and Solutions:*

- Low ceilings
- Dividing walls
- Facades
- Covers
- Bathroom
- Applications on interior expensive facades





## END USE CHARACTERISTICS AND LIMITATIONS

The product is designed as thermal and acoustic insulation in vertical enclosures of facades and internal partitions, with an excellent performance in partitions with metal structure and laminated plasterboard solutions.

Isover Arena reduces the transmission of vibrations based on the principle mass-spring-mass, characterized by a high elasticity of panels, which works as a shock absorber.

The product is designed to be installed and handled easily and keeps its performance without dust detachment. Product classified UL 723 File R25157. Product certified by LAPEM (Tests, equipment and material laboratory, Mexico).

### PRODUCT SPECIFICATION

Product	Length mm	Wide mm	Thickness mm	Net weight +/-10% kg/m <sup>2</sup> (g/ft <sup>2</sup> )
ISOVER ARENA 40	15240 + 300mm	1220 ± 3mm	40 ± 3mm	0.83 (77)
ISOVER ARENA 60	10160 + 300mm	1220 ± 3mm	60 ± 2mm	1.25 (116)
ISOVER ARENA 70	10160 + 300mm	1220 ± 3mm	70 ± 4mm	1.06 (99)
ISOVER ARENA 80	7620 + 300mm	1220 ± 3mm	80 ± 2mm	1.22 (113)
ISOVER ARENA 90	7620 + 300mm	1220 ± 3mm	90 ± 5mm	1.37 (127)

Properties	Standard	40mm	60mm	70mm	80mm	90mm
Short term water absorption	EN-1609	≤ 1 kg/m <sup>2</sup>	≤ 1 kg/m <sup>2</sup>	≤ 1 kg/m <sup>2</sup>	≤ 1 kg/m <sup>2</sup>	≤ 1 kg/m <sup>2</sup>
Thermal Performance (Thermal conductivity -Mean Temp. 75°F / 24°C)	ASTM C411	0.035W/m.°C 0.24BTU.in/ hr.ft <sup>2</sup> .°F	0.035W/m.°C 0.24BTU.in/ hr.ft <sup>2</sup> .°F	0.0378W/m.°C 0.26BTU.in/ hr.ft <sup>2</sup> .°F	0.0378W/m.°C 0.26BTU.in/ hr.ft <sup>2</sup> .°F	0.0378W/m.°C 0.26BTU.in/ hr.ft <sup>2</sup> .°F
Thermal performance (Thermal resistance)	ASTM C411	114 m <sup>2</sup> .°C /W 6.5 hr.ft <sup>2</sup> .°F /BTU	171 m <sup>2</sup> .°C /W 9.7 hr.ft <sup>2</sup> .°F /BTU	185 m <sup>2</sup> .°C /W 10.5 hr.ft <sup>2</sup> .°F /BTU	212 m <sup>2</sup> .°C /W 12 hr.ft <sup>2</sup> .°F /BTU	238 m <sup>2</sup> .°C /W 13.5 hr.ft <sup>2</sup> .°F /BTU
Surface Burning Characteristics	ASTM E84/ UL723	Flame Spread Index <25 Smoke Developed Index <50	Flame Spread Index <25 Smoke Developed Index <50	Flame Spread Index <25 Smoke Developed Index <50	Flame Spread Index <25 Smoke Developed Index <50	Flame Spread Index <25 Smoke Developed Index <50
Corrosiveness	ASTM C665/ C795	It does not generate or accelerate corrosion on: steel, iron, copper or aluminum	It does not generate or accelerate corrosion on: steel, iron, copper or aluminum	It does not generate or accelerate corrosion on: steel, iron, copper or aluminum	It does not generate or accelerate corrosion on: steel, iron, copper or aluminum	It does not generate or accelerate corrosion on: steel, iron, copper or aluminum
Fungi Resistance	ASTM C1338	Meets Requirements	Meets Requirements	Meets Requirements	Meets Requirements	Meets Requirements
Acoustic absorption AW	CTE (AW)	AW: 0.70	AW: 0.80	Not available	Not available	Not available
Odor Emissions	ASTM E96 Method A	Meets Requirements	Meets Requirements	Meets Requirements	Meets Requirements	Meets Requirements
DBE Content	Oregon State	FREE, Meets Requirements	FREE, Meets Requirements	FREE, Meets Requirements	FREE, Meets Requirements	FREE, Meets Requirements

## OTHER PROPERTIES:

Specific heat apx. (Cp)	J/kg-K	800
Water vapor resistance (MU)	-	1
Reaction to fire	Euroclass	A1
Water absorption (WS)	-	Non - hydrophilic
Resistance to air flow (AF)	kPa.s/m <sup>2</sup>	>5

(\*) Non - hydrophilic: Does not easily absorb moisture in water

## VISUAL STANDARD

Characteristic	Acceptance Guide BTB
Color	The product is gray-black color, slight variations allowed in the key, which do not affect the thermal performance.
Surface Appearance	<p>No rips and breaks are accepted. Surfaces generally must be uniform without patches Bakelite. The ground material agglomeration, in general, is not accepted, however, an occasional patch inside a sheet does not damage its performance, unless it produces delamination of the product.</p> <p>Neither protuberances or cracks greater than 3 mm (1/8 inch) in height or depth, nor more than 25 mm (1 inch) in width or diameter are not accepted. The board should be easy to cut with tools with a reasonable edge; Speckles must not produce on the board; neither must wool crumble. It must be a clean cut with a uniform surface.</p>

## PACKAGING

Product	m <sup>2</sup> / roll	Total Net weight + 10% (kg/package)
ISOVER ARENA 40	18.59	15.5
ISOVER ARENA 60	12.39	15.5
ISOVER ARENA 70	12.39	13.2
ISOVER ARENA 80	9.29	11.3
ISOVER ARENA 90	9.29	12.7

Polyethylene shrink-package roll extreme open and auto-adhesive label. 1 roll/package GROSS WEIGHT (kg/package) = NET WEIGHT (kg/package) + 0.3 kg approx.

## RECYCLED CONTENT

- 1) PI Contenido Reciclado Post Industrial: Recogido de los fabricantes o la industria.  
 (2) PC Contenido Reciclado Post-Consumidor: Recogido de usos finales.

Total recycled content	Post industrial recycled content (1)	Post consumer recycled content (2)
74.1%	74.1%	0%

## RECOMMENDATIONS

- 1). Do not store the material outdoor.
- 2). Keep the product in its original packaging until it is installed.
- 3). The cut can be made with a knife.
- 4). The product must not be compressed
- 5). Make sure that the mechanical fixings that are used are appropriate and safe to install the panels against the wall.



**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

<p><b>N° CO11/4442</b></p> <p>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.</p>	 <p><b>Norma - ISO 9001:2015</b></p> <p>Producto fabricado bajo un sistema de administración de calidad certificado de conformidad con ISO 9001.</p>	<p>Los valores reportados son típicos de pruebas llevadas a cabo en muestras tomadas de producción estándar y podrían ser actualizados sin previo aviso.</p> <p>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.</p> <p><i>Copia no controlada. La información contenida en este documento puede ser actualizada sin previo aviso.</i></p>
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------