2026

AbrigA®





Sello Buen Diseño argentino

THERMAL AND ACOUSTIC INSULATION MATS

MADE FROM SHEEP WOOL



Coarse sheep wool with no textile value

Coarse wool with no textile market value poses a challenge for small-scale farmers, who may have to burn or bury it, or use it as partial payment for shearing.

CHALLENGE 1



Buildings without insulation

A home without adequate insulation may consume up to four times more energy for heating and cooling: higher costs, lower comfort and more emissions.

CHALLENGE 2



A KINDER WAY

TO INSULATE

AbrigA®

We transform sheep wool with no textile market value into thermal and acoustic insulation mats that improve energy efficiency, indoor comfort and the environmental quality of built spaces.



Applications

NEW BUILD | RENOVATION | RETROFIT
STEEL FRAMING | WOOD FRAMING |
DRY CONSTRUCTION SYSTEMS |
MIXED MASONRY SYSTEMS |
ROOFS AND CEILINGS |
INTERIOR AND EXTERIOR WALLS |
INTERMEDIATE FLOORS AND FLOORING











DIMENSIONS

Width: 1.25 m

Thickness: 50 mm

Length: 16 m

Area: 29 m²

Easy installation

- No special protective equipment required
- Cut by hand (scissors or utility knife)
- Friction-fit installation
- Adapts to different shapes and sizes

Benefits

PERFORMANCE

THERMAL INSULATION

Improves energy efficiency and indoor comfort.

ACOUSTIC COMFORT

Absorbs sound and reduces noise.

MOISTURE REGULATION

A hygroscopic material that balances indoor humidity.

HEALTH

SAFE TO HANDLE

Does not irritate skin, eyes or the respiratory tract.

SUSTAINABILITY

NATURAL AND RENEWABLE

Animal-based raw material renewed every year.

BIODEGRADABLE

Returns to the environment at the end of its useful life.

LOW CARBON FOOTPRINT

Low embodied energy and biogenic carbon storage.

Technical performance



THERMAL RESISTANCE

(R) = 1.2 m²·K/W
INTI TEST
22400002209/22



SURFACE FLAME SPREAD

RE2 - VERY LOW FLAME SPREAD
INTI TEST 224 2946/23

SMOKE DEVELOPMENT

Level 1 - Low smoke generation
INTI TEST 224 2219/22



SOUND ABSORPTION

αw = 0.45 (35 mm)
0.50 (50 mm)
0.65 (70 mm)
LAL TEST 63810/22
63982/23
63981/23



MOTH RESISTANCE

100% EFFECTIVENESS

Sello Buen Diseño argentino

Ministerio de Economía
República Argentina

BIOPRODUCTO ARGENTINO
ARGENTINE BIOPRODUCT

IRAM
LAL
INTI

AbrigA® mats have been tested by accredited laboratories (INTI and LAL-CIC) in accordance with IRAM standards, verifying thermal, acoustic and fire-reaction performance at both material and building-system level.

Why choose AbrigA®?

FEATURE	ABRIGA® (SHEEP WOOL MATS)	CONVENTIONAL INSULATION
Material	**Natural and renewable**	Mineral-based or petroleum-derived
Installation	**Hand-cut and friction-fit**	May require tools or protective equipment
Handling	**Does not irritate skin, eyes or airways**	May cause irritation during installation
Indoor air quality	**No harmful fibers; absorbs VOCs, improving indoor air quality**	Depending on product, may release harmful fibers or VOCs
Hygrothermal control	**Naturally regulates ambient humidity**	No humidity regulation
Acoustic comfort	**Good sound absorption**	Varies
Thermal insulation	**Consistent, effective performance**	Varies
End of life	**Biodegradable**	Generates waste
Environmental footprint	**Low footprint / stores biogenic carbon**	High footprint
Production	**Natural origin and local supply chain**	Conventional industrial production
Certifications	**Argentine Bioproduct and Good Design Seals**	Not applicable in most cases

— Solid waste
GHG emissions
Energy

\+ Biodiversity
Soil
improvement



Social inclusion
Cooperatives
Family farming +

New value chain
Fair trade
Regional economic
development +

TRIPLE IMPACT



Technical and academic support

AbrigA® was developed through academic research in architecture and sustainability, with testing conducted in accredited laboratories under IRAM standards, academic and institutional endorsements, and presentations at national and international conferences.

UBA, FADU. Universidad de Buenos Aires. Facultad de Arquitectura Diseño y Urbanismo

CIHE Centro de Investigación Hábitat y Energía

Facultad de Ciencias Veterinarias Universidad Nacional de La Plata

Facultad de Ciencias Agrarias UNLZ

Ley Ovina Argentina

INTA Instituto Nacional de Tecnología Agropecuaria

IRAM

INTI Instituto Nacional de Tecnología Industrial

LAL Laboratorio de Acústica y Luminotecnia

CIC Comisión de Investigaciones Científicas

The only insulation material with a Bio-based Content Certificate, the Argentine Bioproduct Seal for Innovation and Sustainability, and the Argentine Good Design Seal, awarded by Argentina's Ministry of Economy.

Exclusively manufactured by:

TEXTIL TEXSAMAR
ISO 9001 certified

Awards and track record

These recognitions reflect AbrigA®'s progress as a triple-impact startup developing industrialized bio-based materials for sustainable construction.

'26

NAVES
Scholarship-supported project in progress

'25

ARGENTINE GOOD DESIGN SEAL
Industry category

ARGENTINE ENTREPRENEURSHIP
Buenos Aires finalist

ARCOR INNOVATION AWARD
Packaging category finalist

'24

SPRINT UY - URUGUAY
Incubated project

CAMARCO
Incubated project

GREEN SOLUTIONS
Special mention

BUILT IN NATURE
Selected

'23

BIOPRODUCT SEAL
Innovation and Sustainability Seal

GREEN AWARDS
Top 500 projects of the year

IMPACT PAC GRANT

'22

EMPRETEC
Winner - Innovative solutions for sustainability and social inclusion

LATAM 100K
Finalist - PITCH category

INNOVAR
Selected - Agricultural innovations

GENDER GRANT
Entrepreneurship with a gender perspective

BIO-BASED PRODUCT CERTIFICATE
Top 500 projects of the year

'21

SHEEP LAW - BUENOS AIRES, ARG.
Non-repayable grant

CITES IMPULSA
Incubated project

'20

CLIMATHON
Finalist - Energy and regenerative agriculture

SUSTAINABILITY LEADERSHIP
Microenterprise category

CLIMATE LAUNCHPAD - ARG.
People's Choice Award

'19

STARTUP - DEMO DAY
Incubated impact category

SABER CÓMO
Award - Sustainable environment and circular economy

EMPRENDE CONCIENCIA
Incubated project

Build better with natural materials

A noble and versatile fiber that has been with us since the dawn of time. AbrigA® restores its original purpose: providing warmth and shelter.



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