



**NEW**  
Fibran Eco  
without  
CFC's and HCFC's

DEF  
SIGN

ISO 4898	UNITA DI MISURA	MODELLO DI MISURAZIONE	FIBRAN PER TETTI E MURI	FIBRAN RUVIDO PER CAPPOTTI	FIBRAN PER PAVIMENTI	FIBRAN GIGA/GP	FIBRAN GOFRE
DENSITA	kg/m³	ISO 845	35-38	35-38	38-40	35-38	35-38
COEFFICIENTE DI CONDUITTIVITA TERMICA (10°C)	(W/mK)	ISO 2581	0.030	0.030	0.030	0.030	0.030
RESISTENZA ALLA COMPRESSIONE CON DEFORMAZIONE DEL 10%	kPa	EN 826	300		400 - 500	300 - 400	
ASSORBIMENTO D' ACQUA	% DEL VOLUME	ISO 2896	0.1 - 0.5*	0.2 - 0.5	0.1 - 0.5	0.1 - 0.5	0.15
COEFFICIENTE DI DIFFUSIONE VAPORE	ng/Pa sec m	EN 12086	1.2	2	1.5	1.2	1
VASI CAPILLARI			NESSUN	NESSUN	NESSUN	NESSUN	NESSUN
COMPORTAMENTO AL FUOCO		BS 3837	A1	A1	A1	A1	A1
DIMENSIONI { LUNGHEZZA LARGHEZZA	mm		1250 - 2800 600	1250 600	1250 600	2500 - 3000 1200	2500 600
SPESSORE	mm		20 - 100	25-50	30-50	25-50	20-50

A spigolo vivo - I  

A battente - L  

Ad incastro - D  

\* Dipende dallo spessore



10/01

## Indications and Precautions for the Storage and Use of Fibran Eco

### A. Storage

FIBRAN ECO boards must be stored in open areas, with clean and flat surface, or in closed ventilated spaces. Although the physical properties of FIBRAN ECO make it virtually insensitive to rain or snow or weathering, as all plastics it is sensitive to UV radiation. In order to avoid damage on the surface which may be caused by the sunlight when they are stored for long periods in open air, they must be protected by a slightly colored plastic sheet.

### B. Usage

Although FIBRAN ECO boards contain a special flame retardant additive that makes them self-extinguishing, if they come in immediate contact with

flame they will burn. They should thus be stored away from flammable materials and from flames or other ignition sources. The maximum service temperature is 75°C. If the boards come in contact with materials that contain volatile ingredients like solvents, they will undergo a dialytic process. For their application no other precaution is necessary. On the contrary they are safely carried, easily cut by a simple knife and simply applied.

Attention: FIBRAN is responsible only for the quality of the product, and as a producer has no control over the placement of the materials. So, it assumes no legal responsibility for construction plans and application.



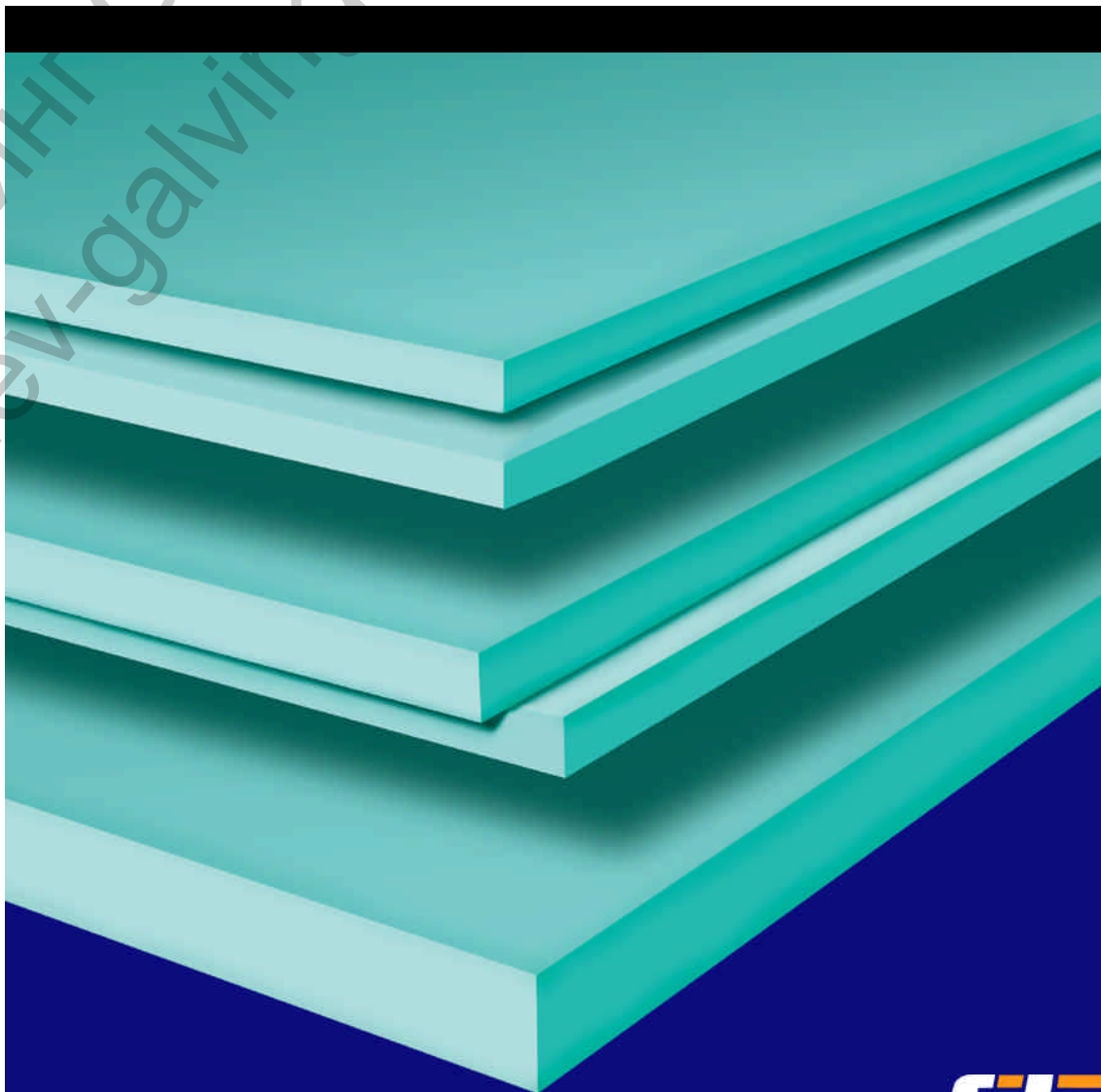
**fibran<sup>®</sup>ECO**

produced by **FIBRAN S.A.**

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**Fibran Eco**

High Quality Insulation **Friendly** to the Environment



**fibran<sup>®</sup>ECO**

Ташев Галвинг ООД  
[www.tashev-galving.com](http://www.tashev-galving.com)



In response to the new European Law referring to the use of alternative blowing agent in the production of extruded polystyrene foam, Fibran presents its new product FIBRAN ECO.

Developed after years of research and development in cooperation with well known institutions and universities, FIBRAN ECO guarantees optimal performance and environmental friendly process of production.

Installing FIBRAN ECO in cavity walls greatly improves the heat insulation properties of those walls. When insulating double walls, FIBRAN ECO boards should be placed between the two walls and fixed to the internal wall by special supports. The perfect fitting of the boards between them, the floor and the wall is important since if done properly heat losses due to circulation of air can be avoided.

**CAVITY WALL**



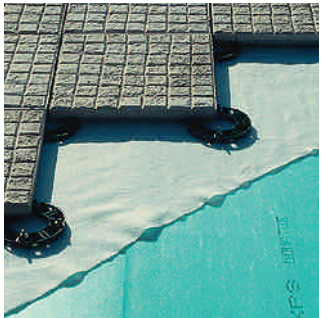
**FLOOR AND BASEMENT**

The high mechanical strength properties of FIBRAN ECO make it the unique solution for floor insulation. Additionally, the closed cell structure and resistance to humidity make it ideal for basement insulation, where the insulating material is in direct contact with earth and water.



**fibran<sup>®</sup>ECO**

**High Quality Insulation  
Friendlier to the Environment**



**FLAT ROOF**



In the inversed roof application, FIBRAN ECO boards are placed above the water proofing layer. This is possible only because the closed cell structure and the existing extrusion skin make FIBRAN ECO: impermeable from water and water vapors, having a very low thermal conductivity that remains constant, enduring the cycle of freeze-thaw, stable in dimensions and resistant to compression strength. Thus, we obtain a system with protected waterproofing membranes and ease in inspection.



**EXTERNAL WALL FASSADE**

This system realises a thermal insulation in the form of a continuous layer on the external surface of the building. The boards of FIBRAN ECO are fastened on the surface by mechanical plastic supports and adhesives. Plastering over FIBRAN ECO is done by special plasters with dispersions to improve elasticity and reinforced with glassfiber net. This method assures long life and excellent performance.



**Continuous Evolution in Thermal Insulation**

The extruded polystyrene foam boards consist the most modern proposal to obtain absolute thermal insulation because of the unique combination of their characteristics:

1. Excellent insulation characteristics (very low  $\lambda$ )
2. Very low water and humidity absorbance
3. High mechanical resistance
4. Very high compression strength
5. Self extinguishing properties
6. Absolute dimensional stability
7. Homogeneous density in all the mass
8. Insesibility at the attack of acids and bases
9. Inertia at climatic variations

10. Compatibility with all usual construction materials cement, gyps, etc)
11. Easy to transport, cut and apply
12. And most important all these properties remain constant in time

These unique properties that FIBRAN ECO acquires due to the unique process of production and the perfect cell structure, distinguishing it from all other known insulating materials like: Cork, Glasswool, EPS, Polyurethane, etc and make it applicable in every kind of thermal insulation application: wall, roof (inverse and normal), concrete elements, basement etc.

