

VETROSHIELD⁺⁺

EN



Vetroresina^{SpA}

Fiberglass laminates

FIBERGLASS PANELS FOR HIGH HYGIENE APPLICATIONS

Applications



Our Vetrosshield reinforced fiberglass laminates are the complete solution for hygienically controlled coverings of walls, floors, and ceilings. They are available in glossy and embossed finishes.



LAMINATES WITH PROTECTIVE GELCOAT

Vetroresina Spa produces a wide range of laminates that can be treated with a Gelcoat coating.

The application of this protective layer during production gives the laminates specific characteristics of resistance, hygiene, and durability.

The surface of the Gelcoat laminate is free from pores and micro-roughness, making it resistant to infiltration and contamination from various substances it comes into contact with.

The Gelcoat treatment keeps the laminate surface free from microbial and mold attacks.

The increased impermeability and resistance to mechanical and chemical damage make these laminates highly suitable for use in sanitary environments where hygiene and cleanliness are mandatory.

Vetroresina Gelcoat laminates significantly improve UV resistance, increasing the product's lifespan and maintaining color stability over time.

Advantages

- Corrosion-resistant
- Excellent aesthetic finish
- Excellent resistance to UV rays and chemical agents
- Resistant to atmospheric aggression
- Easy cleaning and sanitization

Vetroresina Gelcoat laminates are tested through global migration tests with various food simulants to ensure no release of metals and substances considered harmful by law.

The gelcoat laminates are suitable for contact and food transport according to UNI EN 1186-5:2003 standards.

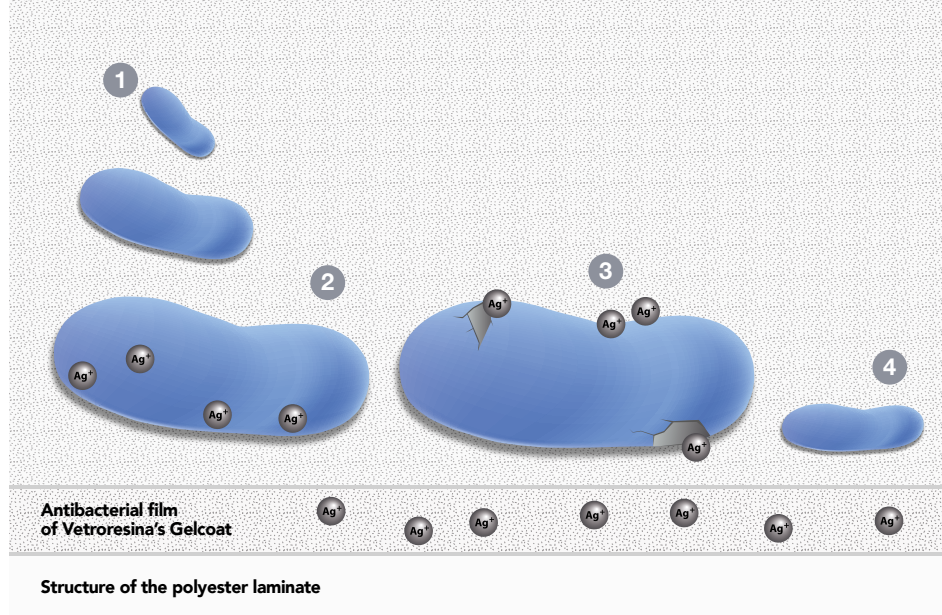
AVAILABLE IN A WIDE RANGE OF RAL COLOURS ALSO CUSTOMIZABLE



the Ultimate Hygiene

Ag+ additive

Surface of VETRORESINA'S polyester laminate



ACTIVITY OF THE ANTIBACTERIAL GRP GELCOAT

- 1- The micro-organism comes into contact with the antibacterial gelcoat.
- 2- Ag+ ions that are on the surface attack the micro-organism.
- 3- Ag+ ions block metabolic activities and inhibit the micro-organism's reproductive capacity.
- 4- In this way, the surface of Vetroresina's laminate with antibacterial gelcoat becomes decontaminated.

Advantages

- Unchanged and incorruptible
- Resistant to impact and heat
- Easy to maintain and disinfect

Vetroresina_{SpA}

Fiberglass laminates



APPLICATIONS

Healthcare facilities, food processing plants, clean rooms, and collective catering (kitchens, washing areas, cold preparation rooms, offices, pantries, restrooms, and laundries).

Wherever hygiene and material durability are crucial to production processes.

Our GRP panels are suitable for all types of surfaces, making them ideal both for new installations and for renovating walls, even those that are rough, painted, or tiled, including those considered beyond repair.

With our panels, you can create a fully sanitizable environment that meets **HACCP** standards.

Advantages

- Easy to clean and repair
- Good resistance to chemical agents
- Good water resistance
- Good abrasion resistance
- High UV stability
- Good resistance to weathering
- Quick installation
- Excellent aesthetic properties



Vetroleing

Formats**

	length	width	tolerance
rolls	max 60m	2400mm	width:±2mm
sheets	on request*	1200mm	width:±5mm length:±5mm





(*) length from 2000÷6000mm modular - (**) on request protective film

Product characteristics

reinforcement	mat, (g/m ²)	300÷1000
	woven roving, (g/m ²)	300÷500

Mechanical properties

	reference standard	unit of measurement	technical data
Barcol hardness	ASTM D 2583	°Barcol	40-45

properties	method	results
Fire resistance  HALOGEN FREE	 EN 13501-1:2007	B,s1,d0: laminate with gelcoat sp. 3mm B,s2,d0: laminate with gelcoat sp. 1,5mm
	 AFNOR NFP 92-501	M1: laminate with gelcoat sp. 2,7mm M2: laminate with gelcoat sp. 2,3mm
	 ASTM E84	Class A sp 2,3 - sp 3,1 mm



Our GRP laminates with protective gelcoat have passed the specific migration tests for use in the food sector.

Custom made fiberglass laminates

Vetroresina^{SpA}

Fiberglass laminates

VETRORESINA SPA

Via Portuense, 10
44020 Masi San Giacomo, Ferrara - Italy

Tel. +39 0532 327911

Email: info@vetroresina.com

www.vetroresina.com



our fiberglass laminates are 100% recyclable



Azienda certificata ISO 9001