



**ELYCOLD**<sup>®</sup>



GRP ROLLS AND SHEETS PRODUCED  
BY DISCONTINUOUS LAMINATION

**ELYPLAN**<sup>®</sup>

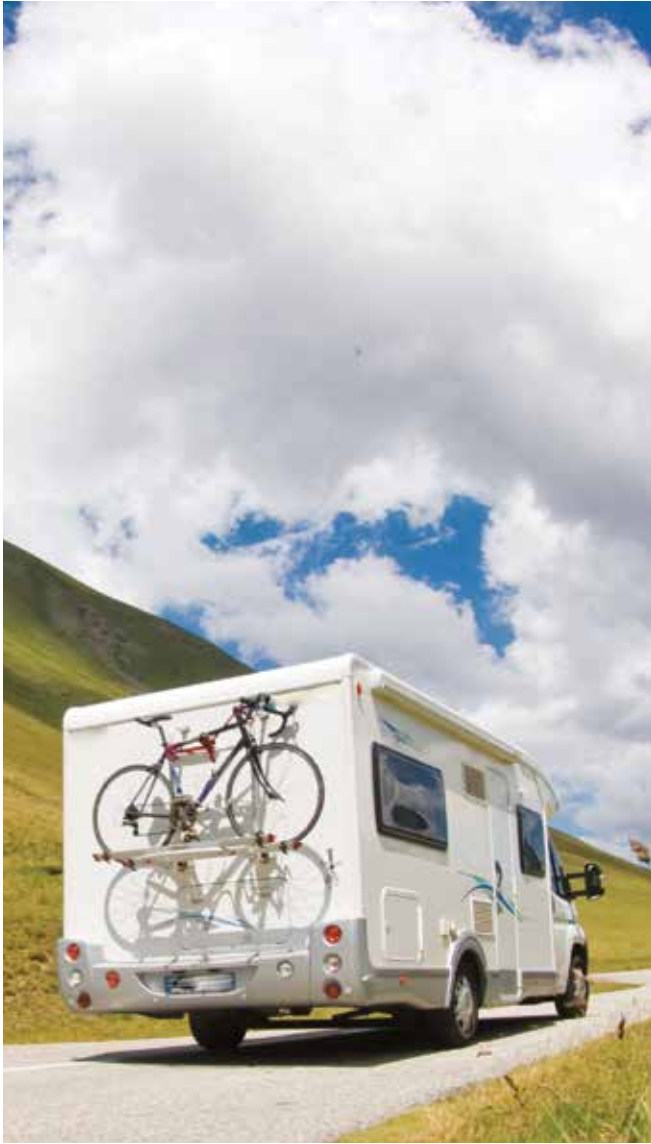
GRP ROLLS AND SHEETS PRODUCED  
BY CONTINUOUS LAMINATION



**FIBERGLASS  
REINFORCED  
LAMINATES**



## FIBERGLASS LAMINATES



Brianza Plastica has for over 55 years been a leading European Company in the production of **FIBERGLASS LAMINATES IN SHEETS AND ROLLS** used in the most varied fields, from construction to agriculture, from transportation to special applications.

Thanks to the important know-how acquired through the years and frequent requests for high quality laminates intended for use as external skin of panels for construction of walls for commercial and recreational vehicles, in 2006 Brianza Plastica inaugurated, in its new production site in Rovigo, a discontinuous cold lamination process of flat laminates called **Elycold**.

In 2009, thanks to the acquisition of the new complex at Ostellato, it has further expanded its production capacity. The success of this new production facility has led the Company to invest further in the development of products for the temperature controlled transport sector and in 2008, at its headquarter in Carate Brianza, it started the production of **Elyplan**, a high quality laminate manufactured by using a continuous hot lamination process.

This continuous product offers a good for quality/price ratio which makes Elyplan the best option to discontinuous cold lamination products.



HIGH DURABILITY



LIGHTNESS



HAIL RESISTANT



STRONG CORROSION RESISTANCE



WATERPROOFING



COST SAVING



QUICK TO INSTALL



SCRATCHING RESISTANT



EASY TO REPAIR



LOW THERMAL EXPANSION COEFFICIENT



IMPACT STRENGTH



UV RESISTANT

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Brianza USA Corporation was established in January 2014 in Elkhart, Indiana (USA). It is equipped with a warehouse and distribution centre to serve manufacturers of recreational vehicles (campers and caravans) and motor vehicles (trucks, buses) throughout the entire US.

In summer 2016 a third production site for discontinuous laminates has been established in Rovigo, together with a new continuous plant in Carate Brianza. These investments have increased the production capacity of 40%; it makes Brianza Plastica ready to face all the challenges of the coming years.

Brianza Plastica supplies fiberglass laminates produced from cold and hot lamination plants which are able to satisfy all market requirements.

With its four production sites dedicated to fiberglass laminates, the Group is in a position to offer a comprehensive service to the sector for the next few years.



Carate Brianza (Milan) - Italy - Headquarters



San Martino di Venezze (Rovigo) - Italy - Site 1



San Martino di Venezze (Rovigo) - Italy - Site 2



Elkhart (Indiana) - USA



Ostellato (Ferrara) - Italy



# LABORATORY RESEARCH AND DEVELOPMENT

In early 2019, Brianza Plastica officially opened its new laboratory for research and development and production control activities

The new laboratory is three times bigger than the previous space and also benefits from a significant increase in technical staff. It has also been expanded by additional equipment to carry out most of the chemical-physical tests on the raw materials used and on the finished products. The new facility is equipped with the most advanced instruments to support the production processes of insulation panels and composite laminates.



The laboratory has been divided into 4 areas:

- **Offices** for R&D staff
- **Instrumental laboratory:** equipped with the most modern analysis equipment such as FTIR, DSC dynamometer, thermal chamber, conductivity meter, microscope, etc. Sophisticated instrumental tests and analyses are performed in this laboratory, including characterisation of the finished products
- **Chemical laboratory:** fully equipped, it carries out product formulation activities by simulating the production processes, as well as chemical analyses on both incoming raw materials and on finished products
- **Preparation of samples and fire tests:** the samples are prepared for the various controls and the fire reaction tests are performed on the products.

In order to produce higher-quality and more sophisticated products, Brianza Plastica has invested heavily in creating one of the most advanced research and development laboratory in the sector, providing further impetus and support for the production and subsequent marketing of its products.





## ECO-FRIENDLY PRODUCTION

**Brianza Plastica has always stood for a business model that focuses on safety, environment and people and operates in full compliance with environmental hygiene's regulations.**

Brianza Plastica operates in full compliance with the laws on environmental hygiene and for this purpose has equipped its fiberglass laminates production facilities with powerful suction systems that purify the internal air of the production areas by carrying the volatile organic compounds (V.O.C.) generated during the production process to **modern abatement plants**.

In the four fiberglass laminates factories located in Carate Brianza, S. Martino di Venezze (site 1 & 2) and Ostellato, Brianza Plastica has installed four state-of-the-art abatement plants with innovative V.O.C. concentration and destruction process.

**The abatement plant automatically feeds itself by recovering the heat** generated by the combustion of the V.O.C.. The heat recovered from the combustion is reused in part to feed the plant itself and in part to generate hot water for heating.

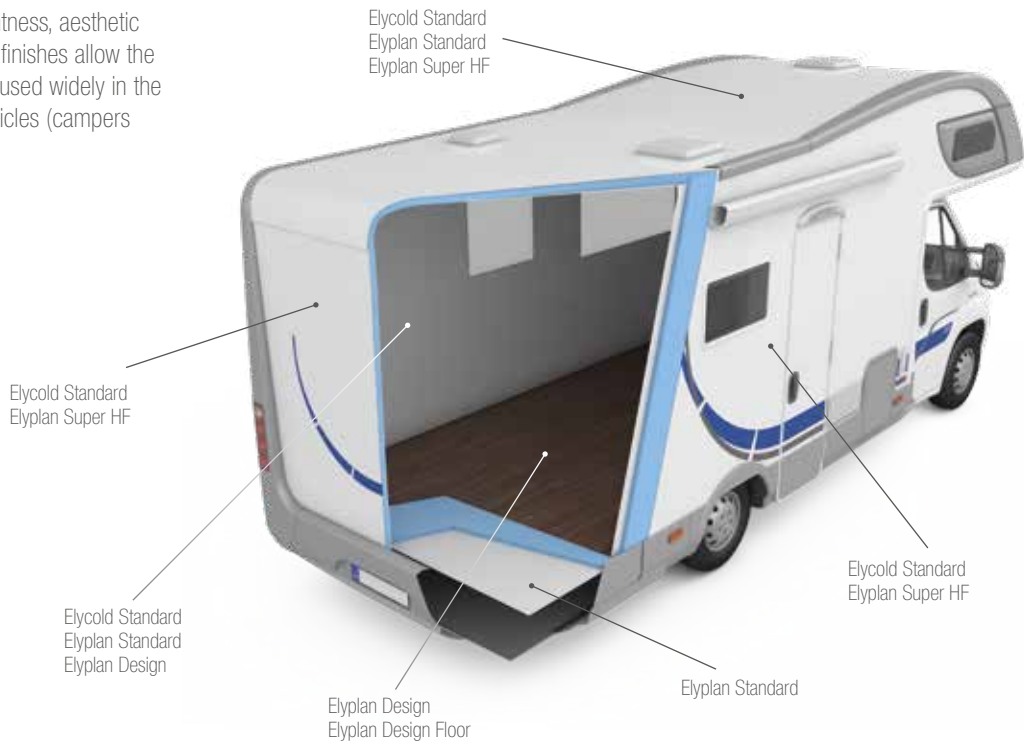
This abatement process meets all the Best Available Technique (BAT) requirements, as well as the strictest European standards.



# MAIN FIELDS OF APPLICATION

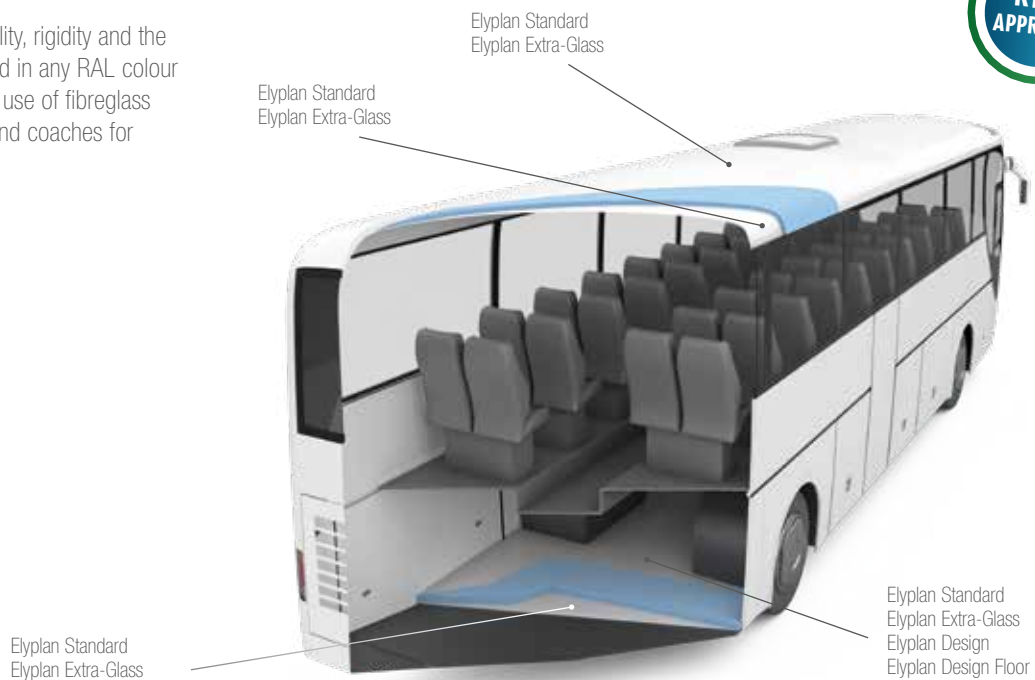
## RECREATIONAL VEHICLES

Outstanding quality, lightness, aesthetic appeal and a variety of finishes allow the fiberglass panels to be used widely in the field of recreational vehicles (campers and caravans).



## PASSENGER TRANSPORT

High strength, reliability, rigidity and the ability to be produced in any RAL colour guarantees the wide use of fibreglass laminates in buses and coaches for public transport.



## COMMERCIAL VEHICLES

Excellent resistance and dimensional stability, combined with lightness and easy workability, has made fibreglass panels the ideal material for constructing walls of industrial, commercial and temperature-controlled vehicles.



## TANK CONTAINERS

The extreme flexibility, lightness, resistance to chemicals and yellowing of the Elycold and Elyplan fibreglass laminates make them an excellent choice for covering tanks of any size.



## OTHER APPLICATIONS

Panels for commercial touring and temperature-controlled vehicles, also with high hygienic requirements (NO-BAC), refrigerators, prefabricated doors and panels and billboards in general.



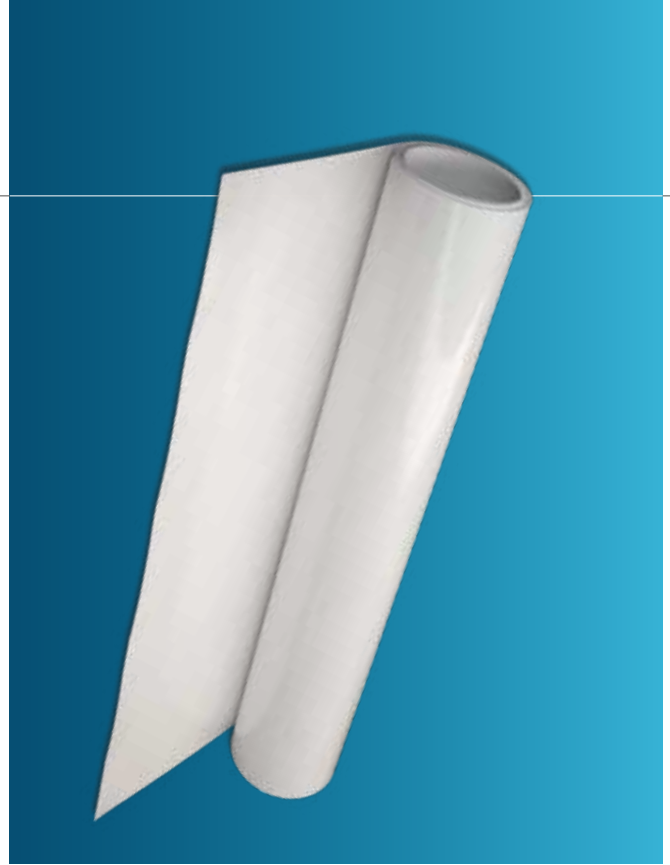


## Rolls Dimensions

**Thicknesses:** from 1 to 3.6 mm

**Dimensions:** max. width 3400 mm  
Length 60 m

**Sheets:** on demand



## Rolls and sheets with gelcoat produced by discontinuous lamination



PRODUCED IN DISCONTINUOUS

Elycold is a combination of polyester resin (orthophthalic and isophthalic) and glass fibre; over the years this composite material has replaced aluminium in the production of refrigeration panels for commercial vehicles, campers, caravans and motorhomes, providing manufacturers with **excellent long-term properties** and UV protection.

**Elycold laminates** have the polymerization process at ambient temperature. The result is **perfect flatness**, which is an indispensable feature for the production of **very high quality panels having very good aesthetics**.

The **excellent dimensional stability** of Elycold laminates is guaranteed by the use of fiberglass **CHOPPED STRAND MAT**, which can be combined with **WOVEN ROVING** reinforcement to further improve the mechanical features of the laminate.

## Properties

Low shrinkage resins provide a high resistance to UV-light and ensure:

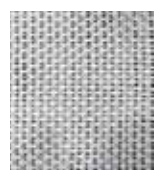
- **A perfect overlay of the underlying fiberglass**
- **Long time surface durability**
- **Total impermeability and protection of the insulation inside the panel**
- **A low level of yellowing recorded by ageing tests performed with UV – CON**

## ELYCOLD Glass Composition



### Chopped strand mat

Particular MAT composed of chopped fibers. The MAT gives all the physical characteristics to the laminate, ensuring a perfect smooth surface on the outer side. The use of different weights of MAT give us the possibility to satisfy all the market requirements.



### Woven roving

Layer of woven fiberglass used to increase the strength of the laminate. Brianza Plastica mainly uses 2 different types of WOVEN ROVING:

- 300 gr/m<sup>2</sup>: suggested for applications requiring good strength properties
- 500 gr/m<sup>2</sup>: suggested for applications requiring high strength properties



		ELYCOLD Only Mat				
Thickness (h) <sup>(1) (2)</sup>	mm	1,15	1,60	2,00	2,50	2,90
Glass reinforcement <sup>(1)</sup>	g/m <sup>2</sup>	375	600	900	1125	1350
Density <sup>(1)</sup>	g/cm <sup>3</sup>	1,43	1,41	1,50	1,46	1,48
Weight <sup>(1)</sup>	g/m <sup>2</sup>	1650	2250	3000	3650	4300
Glass Content <sup>(1)</sup>	%	23	27	30	31	31
Hardness (UNI EN 59)	Barcol	40/45	40/45	40/45	40/45	40/45
Tensile strength (UNI EN ISO 527 - 4/2/2)	Long. Mpa	72	89	95	99	102
	Trasv. Mpa	65	80	86	89	92
Tensile modulus (UNI EN ISO 527 - 4/2/2)	Long. Mpa	6900	7200	7500	7700	7800
	Trasv. Mpa	6100	6400	7100	7300	7400
Water Absorption <sup>(1)</sup>	%	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0
Styrene Content <sup>(1)</sup>	%	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0

(1) Company Method  
(2) Average value

		ELYCOLD Mat + Woven Roving		
Thickness (h) <sup>(1) (2)</sup>	mm	1,50	1,90	2,60
Glass reinforcement <sup>(1)</sup>	g/m <sup>2</sup>	375/300	600/300	900/500
Density <sup>(1)</sup>	g/cm <sup>3</sup>	1,47	1,47	1,54
Weight <sup>(1)</sup>	g/m <sup>2</sup>	2200	2800	4000
Glass Content <sup>(1)</sup>	%	30	31	34
Hardness (UNI EN 59)	Barcol	40/45	40/45	40/45
Tensile strength (UNI EN ISO 527 - 4/2/2)	Long. Mpa	120	120	131
	Trasv. Mpa	111	111	121
Tensile modulus (UNI EN ISO 527 - 4/2/2)	Long. Mpa	7900	8300	9600
	Trasv. Mpa	7500	7900	9200
Water Absorption <sup>(1)</sup>	%	≤ 1,0	≤ 1,0	≤ 1,0
Styrene Content <sup>(1)</sup>	%	≤ 1,0	≤ 1,0	≤ 1,0

(1) Company Method  
(2) Average value



## Outer side finishing

- **Gelcoat protection** - 100% isophthalic resin, UV-resistant, available in **glossy** or **satín** surface.
- **Film protection** - To avoid possible damages during handling and transport.
- **Colours** - Different colours found in the RAL code or NCS or customized colours on request.

## Interior finishing

- **Film grooved** - A particular "sanded" surface avoiding the presence of dust improving the bonding performances.
- **Mechanically sanded** - Mechanical sanding to provide a good bonding surface.
- **Open fibres** - The fiber of glass is visible on the surface: this solution is suitable for those who prefer resins for the bonding.
- **Smooth** - No treatment, for those who don't require particular properties.

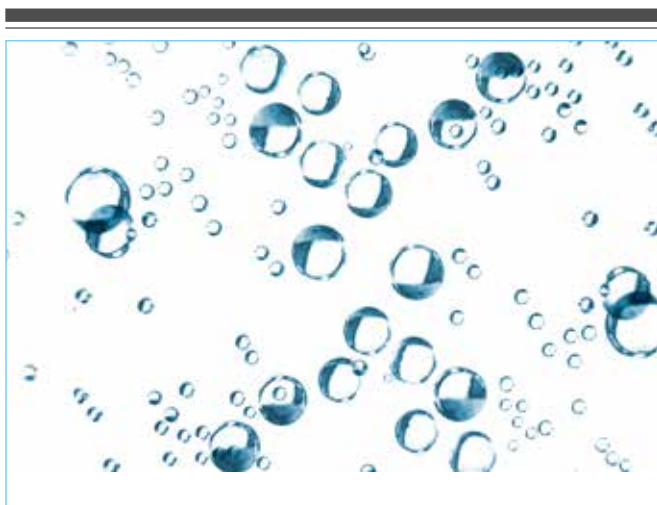
**ELYCOLD**  
XLITE

**ELYCOLD**  
LITE



LIGHTNESS

## Ultralight laminates with extraordinary features



### Microspheres

Microspheres in the resin result in a lighter laminate by reducing the density of the material.

## Elycold Xlite / Lite

Represents the ideal solution for those who need **thicker laminates with good rigidity and low specific weights**, while retaining all aesthetic details and values.

The use of resins and specific components allows increased thickness without adding weight, decreasing the density of the laminate and providing greater rigidity contributing to the flatness of the panel and to conceal of the underlying structures.

It is particularly suitable for the production of ultra-light vans and large recreational vehicles and prestigious equestrian vehicles.

Unaltered performances of Brianza Plastica's laminates, such as:

- Gelcoat resistant to UV rays and to chemical agents
- Availability in different colours
- Mechanical performances suitable for different uses

**Elycold Xlite** laminates are available in 60 m-long rolls and in different thicknesses from 1.6 to 2.8 mm.

**Elycold Lite** laminates are available in 60 m-long rolls and in different thicknesses, from 3 mm.

## Technical data

		ELYCOLD Only Mat				ELYCOLD Mat + Woven Roving		
		Xlite		Lite		Xlite		Lite
Thickness (h) <sup>(1) (2)</sup>	mm	1,50	1,90	2,40	3,00	1,90	2,40	3,10
Glass reinforcement <sup>(1)</sup>	g/m <sup>2</sup>	450	675	900	1125	500/300	675/300	900/500
Density <sup>(1)</sup>	g/cm <sup>3</sup>	1,33	1,34	1,26	1,27	1,37	1,29	1,34
Weight <sup>(1)</sup>	g/m <sup>2</sup>	2000	2550	3150	3800	2600	3100	4150
Glass Content <sup>(1)</sup>	%	22	26	29	30	31	31	35
Hardness (UNI EN 59)	Barcol	35/40	35/40	35/40	35/40	35/40	35/40	35/40
Tensile strength (UNI EN ISO 527 - 4/2/2)	Long. Mpa	67	79	86	89	100	100	111
	Trasv. Mpa	62	73	79	82	93	92	102
Tensile modulus (UNI EN ISO 527 - 4/2/2)	Long. Mpa	4650	5400	5900	6100	6900	7000	8100
	Trasv. Mpa	4400	5200	5600	5800	6550	6600	7800
Water Absorption <sup>(1)</sup>	%	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0
Styrene Content <sup>(1)</sup>	%	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0

(1) Company Method

(2) Average value

# NO BAC



ANTIBACTERIAL

## Continuous anti-bacterial protection

The NO BAC laminate developed by Brianza Plastica allows **eliminating almost all traces of bacteria** present on a surface, **preventing their subsequent colonisation** and providing an additional level of protection in any environment.

The NO BAC technology is permanently integrated on the surface of the laminate, right from the production phase, and is evenly distributed across the entire surface, actively protecting the product throughout its life cycle.

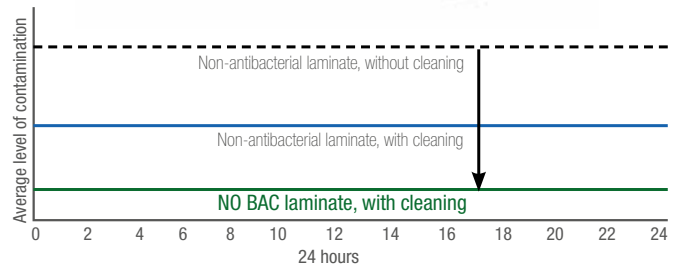
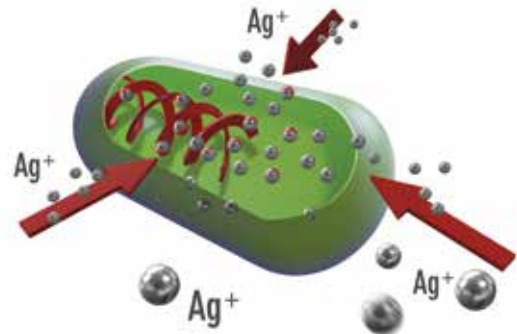
This innovative product has numerous fields of application: food industry, cold storage rooms, laboratories, refrigerated containers for transportation and, in general, all **environments with high hygiene requirements**: schools, kindergartens, health facilities, kitchens, bathrooms, spas, gyms and shopping centres.

The **NO BAC version** is available on all ELYPLAN and ELYCOLD laminates with external gelcoat finish.

## The antibacterial technology

The **antibacterial technology is based on silver**, known since ancient times for its antibacterial and antimicrobial properties and widely used to prevent bacterial proliferation in sanitary environments and environments with high hygiene requirements.

The silver ions inhibit the reproduction of bacteria, penetrating through the surface of the cell, attacking the DNA and preventing it from reproducing. **99.9% of bacteria are eliminated over 24 hours** (ISO 22196:2011), **constantly for 365 days a year**.



Health sector

Cold storage rooms

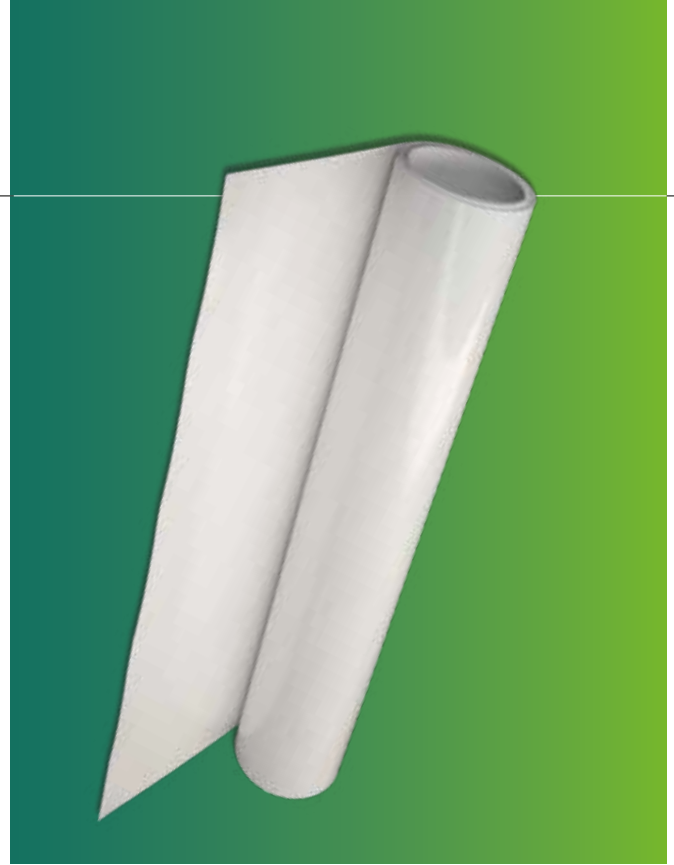


### Rolls Dimensions

**Thicknesses:** from 0,8 to 3

**Dimensions:** max. width 3200 mm  
Length on request

**Sheets:** on demand



### Rolls and sheets with or without gelcoat produced by continuous lamination



PRODUCED IN CONTINUOUS

Elyplan is manufactured on state-of-the-art machines, a crowning achievement in Brianza Plastica's over fifty-five years experience in the flat laminates sector. The flexibility of the systems allows customers to choose the laminate best suited to their needs, for every application in temperature-controlled transport services, vans, restoration of walls, coolers and special applications. Basically, it is ideal for applications that require washable surfaces, smooth or rough, with high resistance to corrosive elements present in the environment. The main advantage of continuous production is that it allows achieving the **highest possible polymerisation** of the composite material, coming from the use of technologies that best maximise this value. The result is a **perfectly flat product with very tight dimensional tolerances** that guarantees excellent quality at very competitive prices.

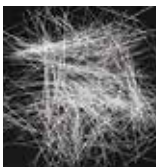
### Properties

The high quality of Elyplan is guaranteed through the use of the **finest raw materials** and a **gelcoat** made from highly elastic isophthalic resins, ensuring high resistance to yellowing, impermeability to water vapor and condensations.

Elyplan gives complete protection from humidity of the panel's sensitive elements, either expanded insulations or plywood based elements. It also helps maintain the insulation material's integrity ensuring ATP certifications are kept on a long term basis or a better performance of refrigeration machines.

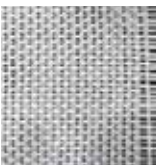
Available with or without gelcoat or reinforced with woden roving.

### ELYPLAN Glass Composition



#### Roving

Fiberglass cut to a length of 5 cm, evenly distributed in the laminate.



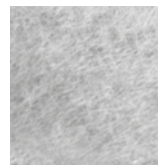
#### Woven roving

Orthogonally woven fiberglass fabric, used to increase the mechanical properties and strength of the laminate.



#### Mat

Available in the Elyplan Super version.



#### Tissue

Available in the Elyplan Super HF version.

## ELYPLAN<sup>®</sup> STD

This version uses ROVING glass as the primary reinforcement of the composite laminate. It is generally used for applications where the aesthetic performance is not as important as the quality/price ratio. It can be made with or without gelcoat protection and with WOVEN ROVING reinforcement, in order to increase its mechanical performance. Available in all thicknesses and also in the NO BAC version.



## ELYPLAN<sup>®</sup> SUPER

This version uses MAT and ROVING for better aesthetic performance. It is an excellent compromise between high quality aesthetics and a very competitive price tag. It can be made with or without gelcoat protection and with WOVEN ROVING reinforcement, in order to increase its mechanical performance.

Elyplan Super is an extremely versatile product, suitable for a wide range of applications, both indoor and outdoor. It is available in all thicknesses and also in the NO BAC version.

## ELYPLAN<sup>®</sup> SUPER HF

This is the Elyplan product with the best surface finish. It only uses TISSUE glass as a reinforcement, with the addition of a surface film just below the gelcoat layer.

It combines high aesthetic appeal with a highly competitive price compared to other similar products made via discontinuous lamination.

It can be produced with or without gelcoat protection and with WOVEN ROVING reinforcement, in order to increase its mechanical performances.

Available also in the NO BAC version.



## Elyplan Standard Technical data

		ELYPLAN NO GEL Only Roving				ELYPLAN GEL Only Roving			
Thickness (h) <sup>(1)</sup>	mm	0,80	1,00	1,50	2,00	1,00	1,50	2,00	2,50
Density <sup>(1)</sup>	g/cm <sup>3</sup>	1,38	1,40	1,40	1,40	1,40	1,40	1,40	1,40
Weight <sup>(1)</sup>	g/m <sup>2</sup>	1100	1400	2100	2800	1400	2100	2800	3500
Glass Content <sup>(1)</sup>	%	27	27	27	27	23	25	26	27
Hardness (UNI EN 59)	Barcol	40/45	40/45	40/45	40/45	40/45	40/45	40/45	40/45
Tensile strength (UNI EN ISO 527 - 4/2/2)	Long. Mpa	72	80	95	100	63	81	89	94
	Trasv. Mpa	66	70	88	90	55	75	80	85
Tensile modulus (UNI EN ISO 527 - 4/2/2)	Long. Mpa	6770	7240	7560	7870	6210	6480	6750	7060
	Trasv. Mpa	5940	6400	6720	7450	5490	5760	6390	6750
Water Absorption <sup>(1)</sup>	%	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0
Styrene Content <sup>(1)</sup>	%	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0

<sup>(1)</sup> Company Method

		ELYPLAN NO GEL Woven Roving			ELYPLAN GEL Woven Roving			
Thickness (h) <sup>(1)</sup>	mm	1,50	2,00	2,50	1,30	1,50	2,00	2,50
Density <sup>(1)</sup>	g/cm <sup>3</sup>	1,50	1,50	1,48	1,46	1,50	1,50	1,48
Weight <sup>(1)</sup>	g/m <sup>2</sup>	2250	3000	3700	1900	2250	3000	3700
Glass Content <sup>(1)</sup>	%	36	33	32	33	33	32	32
Hardness (UNI EN 59)	Barcol	40/45	40/45	40/45	40/45	40/45	40/45	40/45
Tensile strength (UNI EN ISO 527 - 4/2/2)	Long. Mpa	130	128	125	110	113	114	114
	Trasv. Mpa	129	126	123	109	112	113	113
Tensile modulus (UNI EN ISO 527 - 4/2/2)	Long. Mpa	8800	8800	8900	7350	7500	7950	8125
	Trasv. Mpa	8400	8700	8900	7050	7150	7550	7800
Water Absorption <sup>(1)</sup>	%	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0
Styrene Content <sup>(1)</sup>	%	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0

<sup>(1)</sup> Company Method



### Outer side finishing

- **Gelcoat protection** - 100% isophthalic resin, UV-resistant, available in **glossy** or **satín** version.
- **Film protection** - To avoid possible damages during handling and transport.
- **Colours** - Different colours found in the RAL code or NCS or customized colours on request.

### Interior finishing

- **Corona treatment** - This treatment consists in a high voltage, high frequency but low current wave that increases the surface energy and wetting out of the surface. The result is a smooth surface perfect for the bonding with polyurethane mono/bi-component glues.
- **Mechanically sanded** - Mechanical sanding, to provide a good bonding surface.
- **Film grooved** - Sanded surface by a film that guarantees the absence of dust and increases the effectiveness of the bonding.
- **Smooth** - No treatment, for those who don't require particular properties.



## SPECIAL PRODUCTS

Brianza Plastica's constant research has allowed enriching the offer of laminates with multiple finishes able to meet the different needs of the recreational vehicle, commercial vehicle and public transport sectors. These include **Elyplan Embossed**, with embossed finish and easily cleanable surface, **Elyplan Extra-Glass**, which combines lightness

with extreme impact resistance, and **Elyplan Design**, with numerous colour versions made possible by the bonding to the fiberglass laminate of PVC and PAPER during the production process.

### ELYPLAN® EXTRA-GLASS

**Rolls and sheets with or without gelcoat and with increased mechanical performances.**

This product is the result of synergies between different chemical and technical departments aimed at meeting the ever-increasing market demands for more effective materials. Elyplan Extra-Glass was designed to bring together very special characteristics in a single product, such as **lightness**, given by low specific weight, and **high mechanical strength**, coming from the **high percentage of glass mats** inside. Elyplan Extra-Glass is suitable for vehicles that require high impact resistance and weight saving. Available in sheets and rolls.



Available in standard version  
or NO BAC with gelcoat protection

#### COMMERCIAL VEHICLE

- Interior and exterior walls
- Interior floor



#### BUS

- Exterior roof
- Interior roof
- Exterior floor
- Interior floor



#### TANK CONTAINER

- Exterior surface



#### ELECTRIC VEHICLE

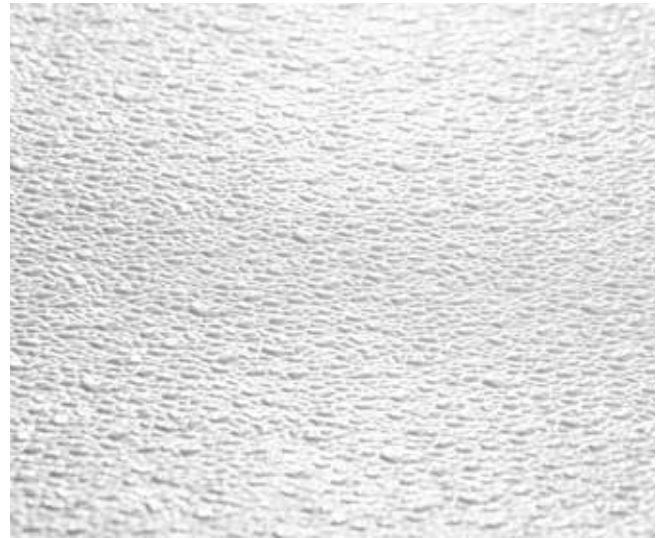
- Interior and exterior walls
- Interior floor



## ELYPLAN® EMBOSSED

### Rolls and sheets produced with continuous lamination process with embossed finish

Elyplan Embossed is well-known and appreciated for its particular finish. It has a different design from the other laminates; therefore it can be used in numerous applications, in the interior of cooling boxes and building applications, such as medical environments, where its easily washable surface is much appreciated. Elyplan Embossed is supplied without gelcoat and has the same technical characteristics of standard Elyplan.



#### COMMERCIAL VEHICLE

- Interior walls



## ELYPLAN® ANTI-SLIP



ANTISLIP

### Rolls and sheets produced in a continuous lamination process with anti-slip finish

The new **Elyplan Antislip** range, rolls and sheets produced by continuous lamination, is ideal for floors to **prevent slipping of vehicle loads**.

The product is available in two different finishes:

- 'XT' coarse grained
- 'MEDIUM' medium grained

Both products ensure an excellent value of **slip resistance** due to the addition of a special mineral granulate (R13 class tested according to DIN 51130:2014-02).



Elyplan Anti-slip XT



Elyplan Anti-slip MEDIUM

Both products have passed the **abrasion resistance** test according to D4060-ISO 9352, ensuring a long lifecycle.

It is available in different thicknesses, on request with or without WOVEN ROVING.

Standard colour grey; other colours on request.

**ELYPLAN®****DESIGN**NATURAL  
EFFECT

**Rolls and sheets produced in a continuous lamination process with printed-paper or vinyl**

Driven by the market demand to expand its product range, Brianza Plastica has developed Elyplan Design, a composite laminate of excellent quality, characterized by the bonding to Elyplan fiberglass laminate of materials such as PVC and PAPER directly on the production line.

It is normally used for indoor applications, (e.g. floors and walls) of recreational vehicles as an excellent alternative to plywood because it is a ready-to-use composite element.

Proposed in a wide range of modern colours and finishes, this laminate combines the advantages of a continuous product with a variety of different aesthetic finishes.

**RECREATIONAL VEHICLE**

- Flooring
- Interior walls

**ELYPLAN®  
DESIGN FLOOR**

Elyplan Design Floor is characterized by the **total absence of odor thanks to the innovative "styrene free" resin used in the product.** It offers many advantages, from a perfect bonding with any type of standard adhesive used in the market field, to improved mechanical performances.

**BUS**

- Interior floor
- Interior walls





## ELYPLAN<sup>®</sup> METALLIC

### Rolls and sheets in metallic colours

The new **Elyplan sheets and rolls in metallic colours** produced with continuous hot laminating process are available in the Standard, Super or Super HF version.

**READY TO USE:** the product ensures **excellent aesthetic quality**, which means coating or painting can be avoided.

It comes in a wide range of colours, upon evaluation with our sales team. Available in various thicknesses, with optional MAT.



### ELYPLAN Metallic STANDARD/SUPER

- Thickness: from 0.8 to 3 mm
- Widths of up to 3,200 mm
- Rolls or sheets (on request)
- With protective film
- In different colours: grey, other colours on request

#### APPLICATIONS

- Exterior and interior walls of recreational/commercial vehicles
- Doors
- Billboards
- Panelling for industrial insulation
- Other

### ELYPLAN Metallic SUPER HF

- Thickness: 1.1 or 1.6 mm
- Widths of up to 3,200 mm
- Rolls or sheets (on request)
- With protective film
- In different colours: grey, other colours on request

#### APPLICATIONS

- Exterior and interior walls of recreational/commercial vehicles
- Doors
- Any application where high aesthetic quality is required



# GENERAL CHARACTERISTICS

## Resins

Brianza Plastica uses the best available resins on the market. The use of orthophthalic resins for core and isophthalic resin for gelcoat helps the laminate to be more flexible and resistant.

## Packaging

The Elycold rolls are suitably housed in steel cradles or wood or sintered polystyrene cradles.

The Elyplan rolls are not only transported on pallets, but also travel freely on wooden supports provided directly within the transport vehicle.

The Elycold and Elyplan sheets are transported on custom-made pallets duly built with continuous wooden surface, in order to protect them in the best possible way. The pallet is closed with fixing straps and cardboard.

## Identification and traceability

To guarantee product identification and traceability, a suitable serialised identification tag (barcode) is affixed to each pallet and individually to each roll.

## Internal surfaces

Brianza Plastica offers 5 solutions for different bonding methods:

INTERNAL SURFACE	TYPE OF LAMINATE	BONDING WITH RESINS	BONDING WITH GLUE
SMOOTH	Elyplan - Elycold	NO	YES
ROUGH	Elycold	YES	NO
CORONA TREATMENT	Elyplan	NO	YES
MECHANICALLY SANDED	Elyplan - Elycold	YES	YES
FILM GROOVED	Elycold	NO	YES

The above combinations are just a suggestion, we recommend to make trials before the final use.



Polystyrene and wood cradle



Steel cradle (to return)



Made-to-measure standard pallet with continuous wooden surface

# ELYCOLD®

GRP ROLLS AND SHEETS PRODUCED BY  
DISCONTINUOUS LAMINATION

# ELYPLAN®

GRP ROLLS AND SHEETS PRODUCED BY  
CONTINUOUS LAMINATION



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