

PURPOSE

The purpose of this document is to:

- describe the product;
- describe the criteria for admissible “imperfections” and the related identification (standard);
- describe the packing, labelling and palletising methods (standard).

This document shall form an integral part of “General conditions of sale” which we refer for all other aspects not specifically mentioned herein (a document downloadable from the website www.brianzaplastica.it)

PRODUCT DESCRIPTION

The specification refers to the products (rolls and panels) belonging to the family of “Elyplan®” - flat laminates produced by a continuous process using fibreglass reinforced polyester.

Elyplan® is available in various versions depending on the external surface finish (gelcoat, without gelcoat, high finishing, design, embossed, no bac, anti-slip, etc.), glassy reinforcement (roving, roving + woven roving) and internal finish (Corona treatment, mechanical sanding, smooth, etc.).

APPLICATIONS

Elyplan® is used in the production of thermal insulation panels for freezer trucks at a controlled temperature and for recreational vehicles, campers and caravans, linings of refrigeration cells, coverings for tank trucks and insulated containers, reconditioning of environments with high hygiene requirements, travelling sales vehicles, etc.

RAW MATERIALS

- Unsaturated orthophthalic polyester resins with UV stabilisation for lamination
- Unsaturated isophthalic polyester resins with UV stabilisation for gelcoat
- Special resin “styrene-free”
- Fibreglass cut uniformly and distributed on the laminate (Roving)
- Cross-woven fibreglass (woven roving) used to improve the mechanical properties of the laminate
- Tissue that improves the aesthetic effect

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| 5 | 05/10/2022 | Created new paragraphs “MAINTENANCE AND CLEANING” and “NOTES” | RQSA | DC | DG |
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Brianza Plastica S.p.A.

Company with **UNI EN ISO 9001:20015 certified Quality Management System (certif. N° 106 SQP-IIP)**

Via Rivera, 50, 20048 Carate Brianza (MI) • Tel. 0362 91601 • Fax 0362 990457

<http://www.brianzaplastica.it> • e-mail: info@brianzaplastica.it

Stock Capital € 3,000,000 fully paid • Company Register of Milan n° 00865040158

Econ. Admin. Index (REA) Milan n° 602163 • Tax Code: 00865040158 • VAT n° IT00698250966

TECHNICAL SPECIFICATIONS

The type of external and internal finish, thickness, physical-mechanical properties, reaction to fire, resistance to chemical agents, etc. are described in detail in the trade catalogues (CTL 135) and product technical information sheets.

TOLERANCES

Tolerances are detailed in the trade catalogues and product technical information sheets. The “tight” tolerances are to be agreed at the time of the enquiry and order.

Standard dimensional tolerances

| | ROLLS | PANELS | |
|----------------|-----------|--------------|-----------|
| Width (mm): | 3 (0, +3) | 5 (0, +5) | |
| Length (mm) | ±1% | up to 2,50 m | 5 (0, +5) |
| | | >2,50 m: | 0, +0,2% |
| Thickness (mm) | ±0,2 | | |

PRODUCTION PROCESS

The work instructions and related setting plans are applied.

TESTS, CHECKS AND INSPECTIONS

The raw materials used, semi-finished and finished products are subjected to the inspections required by the “Inspection plan.”

DETECTION AND IDENTIFICATION OF “IMPERFECTIONS”

The products are subjected to continual visual inspection to ensure a high standard of quality. To help the Client, the imperfections discovered are reported directly on the roll using a red label affixed near the imperfection, at the edge of the roll, and recorded on the inspection sheet (type of imperfection, position).

Furthermore, to help the Customer at the time of receipt of the goods, a **blue tape** is applied around the circumference of the external packaging. On identification label (graduated scale) is also recorded the positioning of imperfections.

| | DETECTABLE IMPERFECTIONS (standard) |
|--|--|
| Exposed external side | <ul style="list-style-type: none"> • film joint • imperfections visible to the naked eye with surfaces >10 mm² (e.g. stains, air bubbles, glass knots, etc.) |
| Internal face | Any imperfection that can increase thickness |
| Max number of imperfections per 70 m roll (red labels) | 3 |

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The roll is invoiced net of imperfections (1 linear meter for imperfection).



In case of min nr 4 punctiform imperfections the roll will be downgraded (a **red tape** is applied around the circumference of the external packaging).

UNDERSIZES

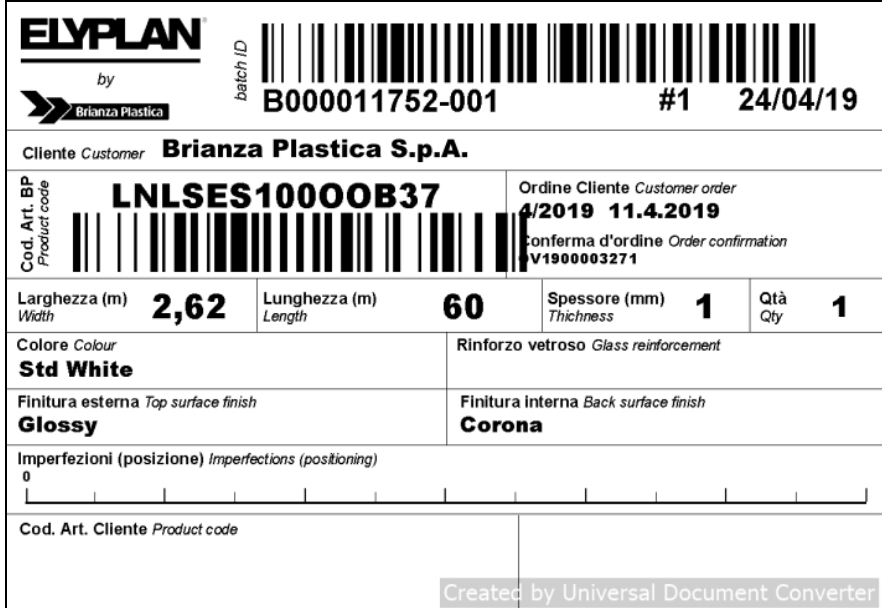
Where there are substantial defects the roll is cut, the defective part is removed and the undersize roll is delivered to the Client.

| Roll length (m) | Admissible undersizes |
|-----------------|-----------------------|
| Up to 70 m | ≥ 14 m |

PACKING

| | ROLLS | PANELS |
|-------------------|---|---|
| Primary packing | PE bubble film Cardboard crowns on roll ends | Cardboard sheet to cover the pallet |
| Secondary packing | PE stretch film | Not provided |
| |  |  |

LABELLING

| | ROLLS | PANELS |
|----------|--|--|
| ID label |  <p>ELYPLAN by Brianza Plastica batch ID: B000011752-001 #1 24/04/19</p> <p>Cliente Customer Brianza Plastica S.p.A.</p> <p>Cod. Art. BP Product code LNLSES1000OB37 Ordine Cliente Customer order 4/2019 11.4.2019 conferma d'ordine Order confirmation V1900003271</p> <p>Larghezza (m) 2,62 Lunghezza (m) 60 Spessore (mm) 1 Qtà 1 Width Length Thickness Qty</p> <p>Colore Colour Std White Rinforzo vetroso Glass reinforcement</p> <p>Finitura esterna Top surface finish Glossy Finitura interna Back surface finish Corona</p> <p>Imperfezioni (posizione) Imperfections (positioning) 0</p> <p>Cod. Art. Cliente Product code</p> <p><i>Created by Universal Document Converter</i></p> <p><i>Label with "customer name, product description, manufacturing date and barcode serial number" to ensure traceability</i></p> <p><i>Applied on each roll (100%)</i></p> | |
| | | <i>Applied on each homogeneous package unit (pallet)</i> |

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PALLETISING/STOWAGE

| ROLLS | PANELS* |
|---|---|
| <p>Palletised horizontally on disposable wooden pallets + polystyrene cradles + wooden slats + crosswise straps</p>  <p>Maximum package weight: 2,500 kg</p> | <p>Palletised on disposable wooden pallets <u>made to measure to contain the panels completely</u> with loading surface consisting of a flat bed + crosswise straps</p> <p>Cradle pallets for panel width >2.40 m</p>  <p>Maximum package weight: 2,500 kg</p> |
| <p>Optional* ⇒ laid loose on polystyrene cradles + wooden slats</p>  | |

**ask our Sales Department for a quotation*

TRACEABILITY

The raw materials used and the finished products are identified by means of labels, cards, etc., and can be traced through the incoming and outgoing identification and registration documents.

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STORAGE CUSTOMER

The product must be stored inside (preferably indoor) on flat and dry floor, away from heat source, protected from the weather, from the moisture and from direct exposure to sunlight to avoid discoloration and lead to poor adhesive bonding.

To preserve the surface and to avoid difficulties in detaching the protective film, is necessary:

- store the laminates at temperature between -10 °C and 65 °C
- remove protective foil at temperature between 5 °C and 30 °C

It is preferable to store rolls vertically (falling materials hazard if precautions are not taken). If rolls are stored horizontally is to avoid the overlap.

Following the first-in-first-out (FIFO) method of stock rotation, it is preferable to use products within 6 months of manufacturing date.

Especially, during cold season, it is preferable to put the product near working area (however at room temperature) 24 hours before using.

For more details, refer to the "Elycold and Elyplan laminates storage manual".

QUALITY CONTROLS

Before use, the Buyer shall subject the products to thorough testing* following its own testing plan to identify any defects that may make the batch unsuitable for its intended use. **A suitability check must ALWAYS be carried out on the first piece produced using the material purchased by BP so that, in the event of an aesthetic defect concealed by a protective film, its use can be immediately stopped.** For example, significant surface, aesthetic, dimensional and colour anomalies in the batch are considered as defects.

**Checking must be carried out on a suitable sample size which is representative of each supply batch (the batch number is on the packaging identification label)*

MAINTENANCE AND CLEANING

The instructions for maintenance and cleaning can be downloaded from the website www.brianzaplastica.it. Improper maintenance and / or cleaning operations will invalidate the guarantee.

NOTES

Dark colors

Dark colors affect the performance of the panel. Dark colors can cause excessive heat build-up on the panel resulting in possible waviness, delamination, cracking, breakage, etc. Therefore, the dark colored panels must be tested by the Customer in the conditions of use to ensure that these colors meet the requirements.

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Aging and color change

Over time the laminate is subject to the natural aging process. The change in color and surface appearance due to the continuous exposure of the product to atmospheric agents, chemicals and sun rays fall within the normal and acceptable condition of wear.

COMPLAINTS AND RETURNS

Any complaint / return is managed in accordance with points 7 and 8 of the "General Conditions of Sale" of Brianza Plastica Spa, a document downloadable from the website www.brianzaplastica.it

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