

LAMBERTS

Glasfabrik Lamberts GmbH & Co.KG
 Postfach 5 60
 95624 Wunsiedel-Holenbrunn
 Telefon: 09232-605-0
 Telefax: 09232-605-33

Product Spezification PRISMASOLAR



Quality definition:

Primasolar is a modern patterned glass in a vanguard design, generally produced in standard glass colour.

The glass quality and its tolerances are exclusively defined by EN 572. The glass is cut during base-glass production, therefore the glass edges require further refinement by the processor.

For bigger quantities the glass could also be produced as low-iron glass in a special production run (further information from our sales staff).

Available dimensions (B x L)*:

→ **6 mm (d)*:** 200 x 300 cm
 (packed in wooden crates, 22 sheets each)

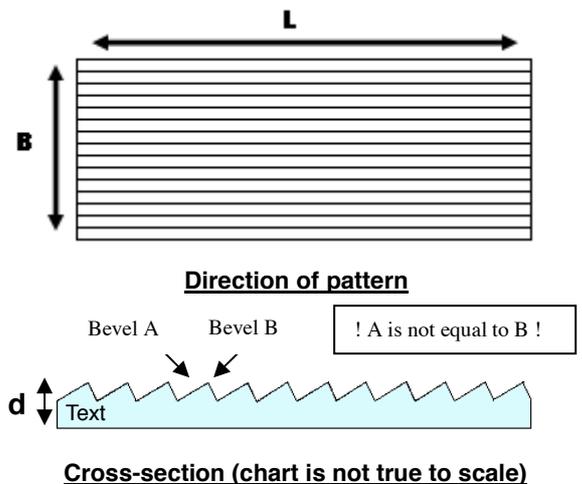
186 x 330 cm
 (packed in wooden crates, 22 sheets each)

→ **10 mm (d)*:** 186 x 330 cm
 (packed in wooden crates, 12 sheets each)

204 x 330 cm
 (packed in wooden crates, 12 sheets each)

→ **Other dimensions or thickness:** to be asked in time prior to writing a specification, sending an offer and/or placing an order.

(* B = nominal width / L = nominal Length / d = nominal thickness)



Processing possibilities:

- PRISMASOLAR can be toughened and laminated by processing companies with special state - of - the art machinery.
- PRISMASOLAR, 6 mm and 8 mm can be laminated only.
- PRISMASOLAR, 10 mm and 12 mm can be toughened and laminated.

In case toughened glass is used in facades, Lamberts strongly recommends a heat-soak-test in accordance with relevant construction law and the German "Bauregelliste11.11".

Technical values:

| Type | Thickness | \mathcal{T}_v | g |
|---------------|-----------|-----------------|------|
| low iron | 6 | 0,92 | 0,87 |
| low iron | 10 | 0,92 | 0,87 |
| standardcolor | 10 | 0,88 | 0,82 |
| standardcolor | 12 | 0,88 | 0,80 |

\mathcal{T}_v Lighttransmittance
 g total solar energy transmittance

General manifestations for the use of the glass:

In this respect, it is a typical characteristic of patterned glass to feature optical deviations, especially regarding the surface appearance. In case that several glass pieces are used in a glass wall next to and/or above of each other, it must be considered that, due to the natural deviation of this linear pattern (which is also in accordance with EN 572), an homogenous appearance over the entire façade whether straight vertical or horizontal direction of pattern over several pieces is impossible. This means that the lines do not continue exactly from one piece to the other.

Please take into consideration, that during processing and/or installing, the bevels of the pattern are not equal!

A considerable optical difference is visible, depending on if the lines of the glass run vertical or horizontal and if the bevel of the prism (see above A and B) is installed in the same direction or not.

It is advised, that the sheets are always installed in the same direction (e.g. "A" always faces up in horizontal glazing or "B" always faces left in vertical glazing).

In general the relevant construction law has to be observed by the planer, processor and installer at all times. In the event of an order we assume that this product specification fully meets the requirements of the project and the specified construction requirements. We are not committed to confirm this again by asking the customer!

In general it is more difficult to cut a PRISMASOLAR with its peaks and valleys than ordinary relatively "smooth" pattern glass. Therefore a higher cutting loss is usually expected and calculated.

Delivery time:

PRISMASOLAR is produced in special production runs. Please check possible delivery times with our sales staff (verkauf@lamberts.info).

Reserve:

At order, we assume that enough reserves for possible breakage during processing are calculated.

Should an additional deliveries be necessary, we advise already today that, based on the high assembling costs of a special production, high costs have to be calculated.

Please note, that at a postproduction differences in colour and surface are possible.