

TECHNICAL DATA

BENCORE STARLIGHT

STARLIGHT is a composite panel with a patented core with a macrocellular interior structure in SAN or polycarbonate (Starlight Extra) and transparent acrylic sides. BENCORE STARLIGHT is widely used in interior architecture and furniture thanks to its qualities of lightness, transparency and unique aesthetic appearance conferred by the geometric pattern of its alveolar core. STARLIGHT panels are easy to cut and can be finished with standard accessories such as profiles, frames, handles and hinges. It is also possible to border it with the same material used for the outer skin.

TYPES AND FORMATS

Also available in the version STARLIGHT PLUS with outer layers in PETG, and BENCORE STARLIGHT FLOOR with an anti-slip and anti-scratch finish specially designed for use in floors and stairs. Available in a wide range of standard colours.

APPLICATION AREAS

- Partition panels.
- Furniture.
- Visual merchandising.
- Backlighting.
- Stands for fairs.
- Interior architecture.
- Doors.
- Backlit walls.
- Illuminated floors.
- Construction of decorative elements.

TECHNICAL SPECIFICATIONS – BENCORE STARLIGHT

Properties	Starlight	Starlight extra	
Physical properties			
Honeycomb core External skins	SAN Acrylic	Polycarbonate Acrylic	
Thickness	21±10%	21±10%	34±10%
Length	3015 ± 2	3015 ± 2	3015 ±
Width [mm]	1000 + 1 / -2	1000 + 1 / -2	1000 + 1 / -2
Unit weight [kg/m ²]	11.5	12.1	12.1
Fire rating	-	-	-
Thermal expansion coefficient [mm/m ² k]	0,067	0,067	0,067
Service temperature [°C]	-10 / +60	-10 / +60	-10 / +60
Thermal insulation (Uni-en 674) [w/m ² °k]	2.9	2.9	2.0
Sound insulation Rw (uni-en iso 354) [db]	22	22	23
Sound absorption w (iso 11654) [db]	-	-	-
Elasticity module (uni-en 310) [n/mm ²]	1790	1790	914
Flexural strength (uni-en 310) [N/mm ²]	33.1	33.1	19.4
Bending stiffness [N ∅m ²]	1381.4	1381.4	2993.7
Compressive strength [N / mm ²]	2.6	2.6	2.1

The properties described here are typical values of the material. Polimer Tecnic is not responsible for the materials of a specific consignment to exactly match the given values, being able to carry out tests of that heading. The above information is based on our experience and is given in good faith. Due to some installation and processing factors that are beyond our knowledge and control, no guarantee is given regarding such information.