

TECHNICAL DATA

BENCORE HEXABEN SMALL

HEXABEN Small is an ultra-light composite panel with an aluminium honeycomb core with 9mm hexagonal cells, joined to external layers in acrylic with a wide range of finishes and standard colours. HEXABEN Small is characterized by a technological product appearance thanks to its aluminium honeycomb core, common in technical applications such as the aerospace industry, for which this honeycomb core was originally designed. Thanks to its high aesthetic value, light weight, rigidity and transparency, HEXABEN Small is mainly used for architecture, design and furniture in interior applications. The HEXABEN Small panel is easy to cut and can be finished with standard profiles of accessories and systems such as frames, handles and hinges. HEXABEN Small can also be topped with the same material used for external layers.

TYPES AND FORMATS

Always adapting to the needs of each customer, Hexaben is also available in various versions: Small plus, Large and Large Plus, depending on the size of your hexagonal interior cells and the thickness of the panels.

APPLICATION AREAS

- Partition panels.
- Furniture.
- Visual merchandising.
- Backlighting.
- Stands for fairs.
- Interior architecture.
- Doors.

TECHNICAL SPECIFICATIONS – BENCORE HEXABEN SMALL

Properties

Physical properties

Honeycomb core Aluminium
External skins Acrylic

Thicknesses 21±10%

Length	3015 ± 2
Width [mm]	1000 + 1 / -2
Unit weight [kg/m ²]	7.70
Fire rating	-
Thermal expansion coefficient [mm/m°k]	0.067
Service temperature [°C]	-10 / +50
Thermal insulation (Uni-en 674) [w/m ² °k]	0.20
Sound insulation Rw (uni-en iso 354) [db]	21*
Sound absorption w (iso 11654) [db]	0.20
Elasticity module (uni-en 310) [N/mm ²]	900
Flexural strength (uni-en 310) [n/mm ²]	5.0
Bending stiffness [N am ²]	694.6
Compressive strength [N/mm ²]	-

* Acoustic panel with micro-perforated 1mm skin.

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.