

Light Beton

plytech
CREATIVE STRENGTH





LightBeton

*Real concrete (no imitation)
with unlimited possibilities
for interior design*

*The perfect surface for walls, counters and displays
Featuring a real concrete surface on a MDF FR core*

Material composition MDF

A composite material made of HPL-coated MDF carrier plate and a covering surface of 2mm LightBeton reaching a material thickness of 19mm altogether – with irregular surface holes and the authentic concrete characteristics.



Light-weight when compared to an actual concrete wall



Fire rated according to Group 1S



Easily processed with standard wood working equipment



Key Features

- Made from real concrete
- Fire rated according to Group 1S
- Matching Edge banding available
- Light-weight when compared to solid concrete wall– weighs approx 16.5kg per sqm
- Easily processed with standard wood working equipment
- A touch-up kit is available to touch up deep scratches and holes.

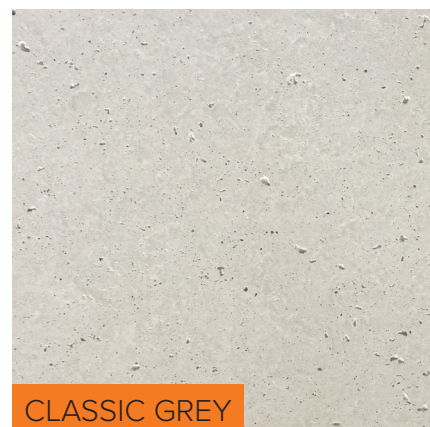
Scope of use

- Wall panelling and surfaces for interior décor
- Furniture
- Counters
- Retail fixtures and displays
- Columns/pillars

Dimension

***Sizes are nominal, sheets will require trimming before use.**

SIZE	THICKNESS	FINISH
3020 x 1250*	19mm	Anthracite
3020 x 1250*	19mm	Classic Grey
3020 x 1250*	19mm	Urban Grey
EDGE BANDING		
3020 x 24	2mm	Anthracite
3020 x 24	2mm	Grey



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Edge Banding

LightBeton is suitable for edge-banding machinery and looks authentic with bevels. The corresponding edge is available for any product.

The 2mm thick LightBeton panel is suitable for surfaces and edges. Due to different feeding angles on automatic edgebanding machines, the edges are exposed to different wear conditions. Because of the fiber glass matrix on the backing, the LightBeton edge is only bendable to a certain extent. The edge's flexibility can be improved through warming it up with a heating rail or through an electrical heat press. The LightBeton edges can be adhered with any standard hot-melt adhesives.

Regarding LightBeton Anthracite, we recommend covering the surface with paper as it has a matt surface so traces of the edge-bander's feed belt may become visible.



LightBeton Repair Kit

Should surface damages occur due to unforeseen accidents. With our hand repair kit, deep scratches and holes can easily become nearly invisible. The hard shell case houses an extensive assortment of accessories to easily repair these damages.



Tools required

LightBeton contains both a natural mineral and cementitious and can easily be cut with standard carbide-tipped saws. The lifetime of the tools is comparable to those for processing laminate panels. Upon cutting a panel faced two sides with LightBeton an underside scoring blade should be used to avoid material chipping. Cutting of panels layered with LightBeton can basically be done with all standard saw tooth types. We recommend alternate bevel, triple chip carbide tipped saw blades with a thickness of 4.5mm.

In order to achieve a better cutting quality, we recommend covering the LightBeton with a thin HDF panel or hardboard when cutting.

When milling larger lots of LightBeton we recommend using diamond-tipped tooling.