

Light**Beton**[®]





Maki Mono – Westfield Riccarton Mall

LightBeton

Real concrete – authentic look and touch

This multiple award-winning concrete composite material with real concrete surfaces opens up new possibilities for unconventional design and inspiring living spaces.

Material composition MDF

A composite material made of an 16mm MDF carrier plate and a covering surface of 1.5mm LightBeton on both sides reaching a material thickness of 19mm altogether. characteristics.



Light-weight when compared to an actual concrete wall



Fire rated according to Group 1S (Urban Grey, Anthracite = Group 3)



Easily processed with standard wood working equipment

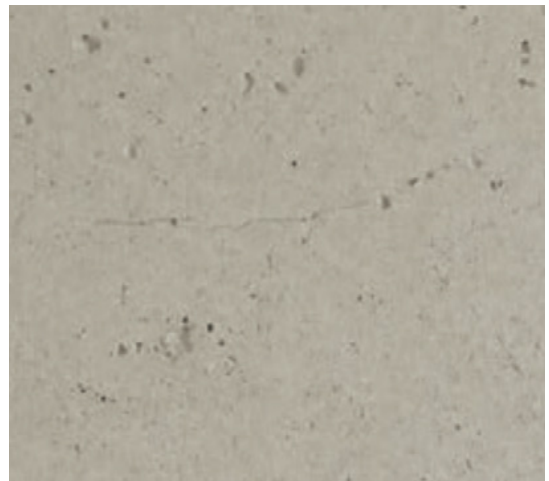
What to expect?

Shrinkage cavities, colour hues, fine fissures – features typical of concrete – are the hallmarks that set our LightBeton® apart. Once processed, it is undistinguishable from solid concrete. The look and touch are the same as “real” concrete. Quality that you can see and feel in every last detail is what makes this product truly exceptional. Concrete as a light-weight for a wide range of interior design applications.



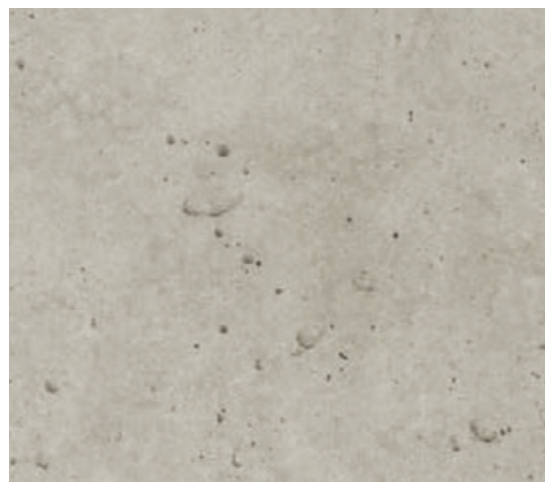
Shrinkage cavities

Typical air voids, deep structure, original aesthetics, a feature typical of concrete.



Hairline cracks

Occasional hairline cracks are typical of concrete.



Colour fluctuations

Random colouring takes place by the cement, various nuances are intended and authentic.



Omni Tech – Botany Mall

Key Features

- Made from real concrete
- Fire rated according to Group 1S (Urban Grey, Anthracite = Group 3)
- 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
- Cabinetry and furniture
- School, office and shop fittings

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



CLASSIC GREY



URBAN GREY



ANTHRACITE

LightBeton

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® can be processed with all the standard carbide tools used in the woodworking industry. To cut the material saw blades with alternating teeth are preferably used. For optimum cutting and milling results as well as a longer tool life, the cutting speed and feed rate should be matched accordingly.

Milling, bevelling and rounding

The panels that are provided with a 1.5 mm homogeneous concrete covering layer on both sides are easy to machine, e.g. for milling/shaping, bevelling and producing roundings.

