



architectural systems

Technical Datasheet

LightBeton

...ultra light and strong. For architectural and interior design.

Application Areas

- For wall, ceiling and floor.
- Fixtures, exhibitions and displays.
- Furniture, cabinet doors...
- Unlimited applications.

Properties

- Real Cement, unique surface textures.
- Various surfaces available.
- Ease of use, machining and assembly.

Technical Properties (raw material)

General

front:		Cement with various surfaces
back(*):		fiber reinforced cement
size (max.):		3,020 x 1,250 mm (118.9" x 49.2")
thickness:	Classic/ Floor Formwork Wood	2 mm (0.079") approx. 4 mm (0.157")
density:		2,000 kg/m ³ (441 pounds/ m ³)
Mass per unit area:	Classic/ Floor Formwork Wood	4 kg/m ² (8.82 pounds/m ²) 6.8 kg/m ² (15 pounds/m ²)
Abrasion resistance:	[DIN 68861-2 and DIN 68930]	Stress group: 2A (High abrasion resistance)
Scratch resistance:	[DIN 68861-4 and DIN 68930]	Stress group: 4E (Fits worktop-requirements)
Chemical exposure:	[DIN 68861-1 and DIN 68930]	Stress group: < 1D
Behavior at dry heat:	[DIN 68861-7 and DIN 68930]	Stress group: 7C
Behavior at moist heat:	[DIN 68861-8 and DIN 68930]	Stress group: < 8C
Resistance to fading:	[DIN EN 15187]	Blue-Scale: <6 Grey-Scale: 3/4
Deformation resistance:	[DIN 68930]	no visual or dimensional changes

All test values are based on the raw, unpainted / unimpregnated surface

(*) The back of the LightBeton can be applied to many different substrate materials such as particle board, HDF, MDF, natural fibre etc. depending on applications and use.

Minimum 160 gr. craft papers or foil should be used for balancing –Follow the instructions of the panel (substrate) manufacturer.