

## Data sheet LUCCONdesign



LUCCONdesign is a precast concrete product. In a special process fiber optic cables are inserted in a fine-grain concrete. The solidity and consistency of translucent concrete is equivalent to high-strength concretes.

The almost loss-free light conduction allows light, shadows and even colours to be seen through the concrete – even through thick walls. LUCCONdesign is manufactured in slabs ex works in colour black, white or lava grey.

An artificial or natural light source behind the concrete slab makes it appear easy and translucent. The concrete is shining.

<b>Characteristics:</b>	<p>high density (surface quality)  w/z value: 0,30 to 0,36  bending tensile strength: &gt; 10 N/mm<sup>2</sup>  compressive strength: ≥100 Mpa  frost and thaw resistance  abrasion resistance  apparent density: 2300 – 2400 kg/m<sup>3</sup>  norm: DIN EN 1341</p>
<b>Available sizes:</b>	1.500 x 1.000 mm or 2.000 x 1.000 mm
<b>Thickness:</b>	20 or 30 mm
<b>Type of concrete:</b>	high performance concrete
<b>Optical fibers:</b>	<p>300.000 fibers/m<sup>2</sup>  diameter 0,4mm</p>
<b>Surfaces:</b>	<p>polished, brushed, blasted, factory-impregnated;  Same handling possibilities as natural stone (drilling, grooving,...)</p>



**Standard colours:**



white



grey



black

Other colours on request

**Availability:** standard slab ex store, custom-made products on request

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