



BetoShell® SIUTtechnology



LUMINOUS DESIGN FACADES

In the building construction, the combination of the betoShell® textile concrete system and the licensed lighting technology SIUTtechnology creates design possibilities that are second to none: luminous facades. Through targeted integration of the optical fibers into the concrete facade elements, the material itself becomes a light source and enables innovative lighting concepts for the new buildings and the renovation projects. Subtle light illuminations ensure a pleasant environment and an aesthetic enhancement of partial or large facade surfaces.

AT A GLANCE

UNIVERSAL APPLICABLE

Architectural facades, subsequent facade cladding and cladding of walls.

PROPERTIES

Compensation of unevenness due to flexible substructure, weather-resistant, frost-resistant.

EASY INSTALLATION

Invisible mounting on aluminium substructure using agraffen technology.

SIMPLE REVISION

In case of one LED failing, the facade remains untouched. Only the LED module attached to the easily accessible light generator needs to be changed.

INNOVATIVE LIGHTING TECHNOLOGY

The light supply is centrally provided by a high-power generator. Color change and DMX control are possible.

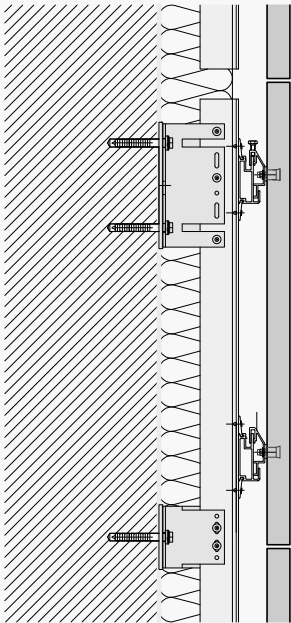
LARGE SCALE














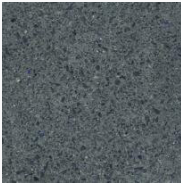









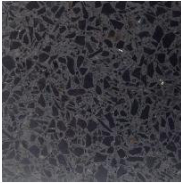
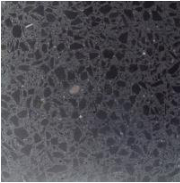
1.200 x 600 mm
2.400 x 600 mm
2.400 x 1.200 mm



PRODUCT DETAILS, COLOUR AND SURFACE VARIANTS

BetoShell® SIUTtechnology is a textile-reinforced, slim and lightweight concrete facade that meets highest quality standards. The elements of the FLEX30 system with a material thickness of 30 mm, enable a variety of design options in the field of the innovative architectural concrete. The elements come with 4 undercut anchors at the back and can be easily attached to a substructure. From formwork-smooth exposed concrete to the aggregate concrete, five attractive surfaces and colours are available. The glass-fiber or carbon-reinforced fiber concrete slabs are many times lighter than reinforced concrete slabs.



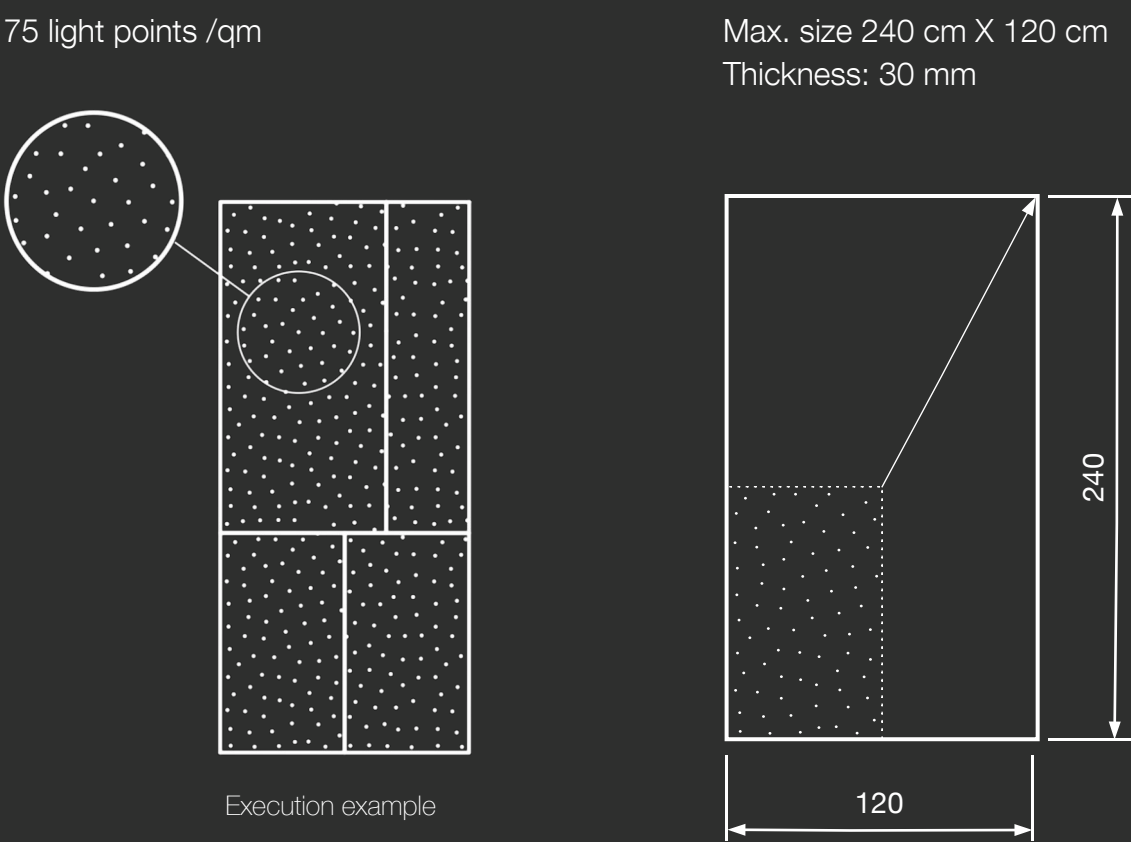
	pure white 07/12	white 11/06	grey 09/12	anthracite 15/06	charcoal 12/11
smooth					
washed					
acidified					
blasted					
honed					

TECHNICAL DETAILS

Dimensions	Max. 2.400 x 1.200 mm (Z - 21.9-2072999)
Thickness and weight	Min. 30 mm / 72kg/ qm
Facade colours	Pure white, white, grey, anthracite, charcoal
Surface finish	Washed, acidified, blasted or sanded
Surface protection	Factory hydrophobized, graffiti protection
Class	Non-combustible, building material class A2 (in parts A1) according to DIN 4102 - 1
Lighting	LED, RGB-LED, control via DMX controller possible
Light pattern	Arrows, crosses, lines, star formations, logos
Admission	Z - 33.1-577 (20 mm, 1.200 x 600 mm), Z - 21.9-207 2 (30 mm, 2.400 x 1.200 mm), Z - 21.9-2072 (40 mm, 2.400 x 1.200 mm)
Places of applications	Architectural facades, subsequent facade claddings, cladding of walls in the public spaces, e.g. pedestrian underpasses.

On request, we will be pleased to provide you with technical details or present our products in a personal meeting.

VARIABLE SIZE OF THE FACADE ELEMENTS



With individual elements of up to 240 cm x 120 cm and up to 75 light points per square metre, a versatile facade design is possible.



ABOUT US

SIUT

Siut has succeeded in revolutionizing one of the oldest building materials in the world. Concrete becomes an information and communication medium. Through the targeted integration of the optical fibers, the surfaces of our precast concrete elements are transformed into luminous displays. This serves both design purposes and the vandalism-proof and weather-resistant provision of the information in the public spaces. The natural material properties of the concrete block, as well as its look and feel remain completely untouched. Using durable

and partly sensor-based electronics, our precast concrete elements can be individually programmed and controlled. Depending on the location and purpose, our innovative and easy-to-install information systems for walls and floors optimize orientation and guidance of the people- for example in the railway stations, airports and in the public spaces. By displaying dynamic arrows, crosses, lines or pictograms, our smart concrete not only finds application as a guidance and information system, but also as an innovative security concept.

CONTACT US!

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