

PANBETON®

TECHNICAL DATA SHEET

Panbeton® is a unique technology of ultra-lightweight concrete cladding. These slabs are quick and easy to install. It is the ideal covering to dress up a space with concrete. A large lightweight and easy to cut slab.

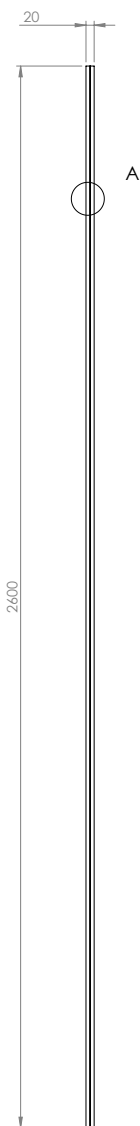
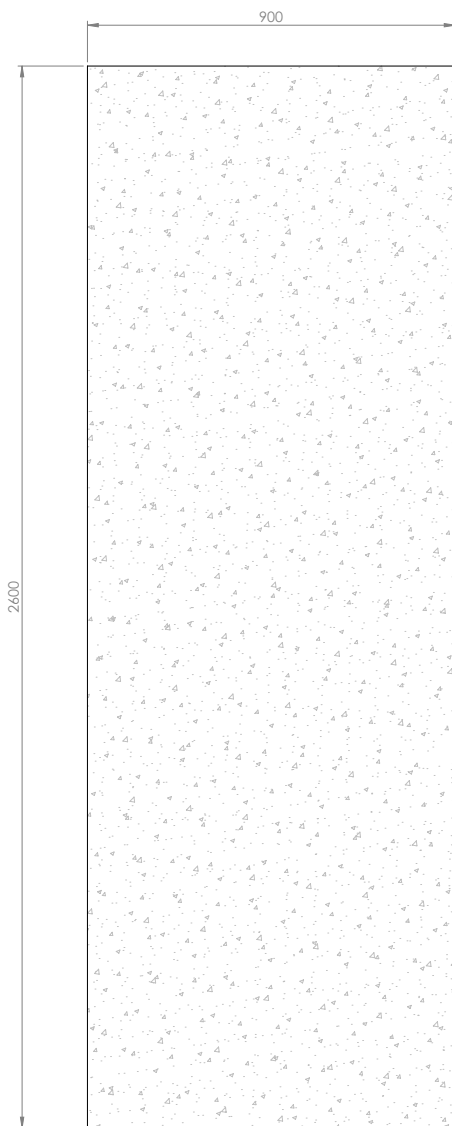
-
- Front made of genuine raw concrete
 - A simple attachment system
 - Quick installation with little handling
 - Endless customisation possibilities



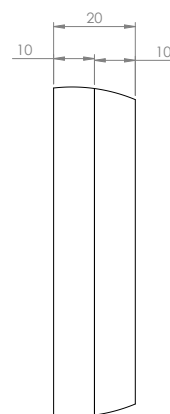
BARBICAN
TERENCE WOODGATE

Available dimensions :
2600 x 900 mm

PANBETON® BARBICAN



SCALE 1:1
DETAIL A



Dimensions *according to model*
2600 x 900 mm



Mounting
Bonding



Orthogonality
+/- 1.0%



Fire resistance
Euroclass B-s1, d0 // ASTM
E84 : Class A / Smoke index :
0 / Flame spread index : 0



Thickness *according to model*
15 mm to 20 mm



Freezing and thawing
Stable



Weight
40 Kg



Thermal shock
Resistant



Surface area
+/- 1.0%



Light resistance
No impact

PANBETON® COLOUR CHART

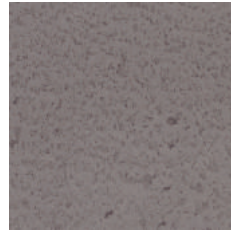
COLOURS



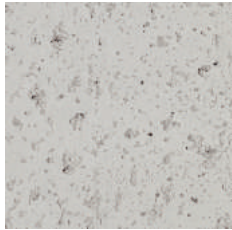
402 - White



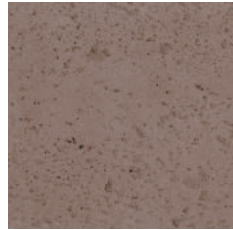
404 - Stone



216 - Anthracite grey



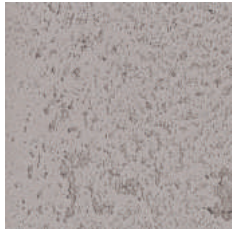
200 - Natural grey



205 - Brown



209 - Black

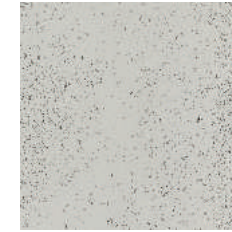


217 - Slate grey

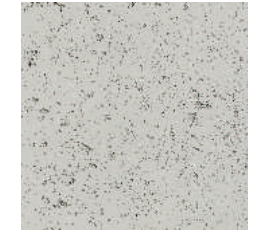
FINISHES



Light pitted



Medium pitted



Heavy pitted

PANBETON[®] TECHNICAL DATA

DIMENSIONS	2600mm x 900mm
THICKNESS	15 mm to 20 mm
TOTAL WEIGHT	40 Kg
WEIGHT PER M²	From 11 to 14 kg/m ²
FIRE CLASSIFICATION	Euroclass B-s1, d0 // ASTM E84 : Class A / Smoke index : 0 / Flame spread index : 0
VOC CLASSIFICATION	A+
EXCLUDED	Exterior and shower stall
COMPOSITION	Fibre-reinforced concrete (5 mm) & construction panel (10 mm)
PROTECTIVE SEALER	As an option (water-borne acrylic base)
FIXING	Gluing – Gluing + Screwing for ceilings
SUBSTRATES	Is glued to all substrates (Plasterboard, bricks, breeze-blocks, etc.)
GLUE	Hybrifix 550 DEN BRAVEN
CUTTING	Diamond blade, mitre, drilling, hole saw and others possible

PANBETON® SPECIFICATIONS DETAILS

PRODUCT NAME: Panbeton® Barbican

COMPANY NAME: Concrete LCDA

TECHNICAL DATA MORTAR:

- Fibre-Reinforced shrinkage-compensating repair mortar

Non-shrinking mortar composed of sand, special cement, fibres and admixtures.

Compressive strength: Class R2

Chloride ion content: ≤ 0.05%

Bonding: ≥ 0.8 MPa

Reaction to fire: Euroclass B-s1, d0 // ASTM E84 :
Class A / Smoke index : 0 / Flame spread index : 0

TECHNICAL DATA REINFORCED FIBER:

- High Zirconia 17%+ Alkali Resistant Glass Fibre

TECHNICAL DATA CONSTRUCTION

PANEL:

Rigid extruded polystyrene foam finished on both sides with a polymer-modified mortar facing, reinforced with a glassfibre mesh fabric.

USE THIS ENTIRE DESCRIPTION TO SPECIFY OUR PRODUCTS.

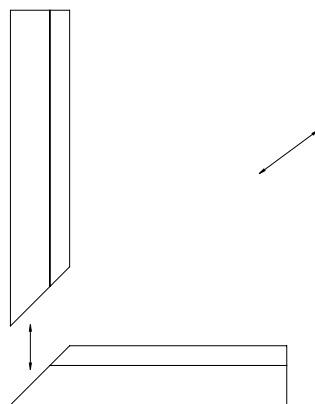
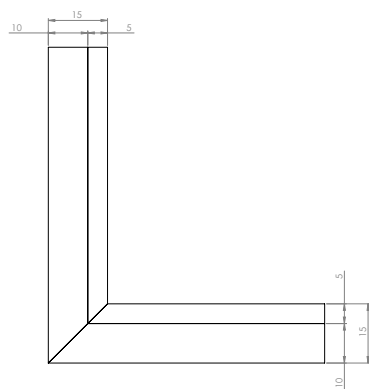
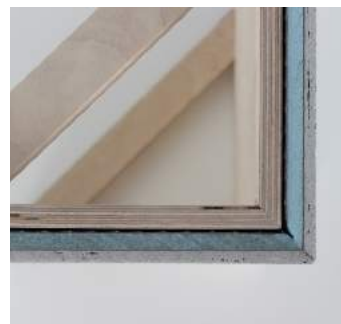


**CONSTRUCTION
PANEL (10MM)**

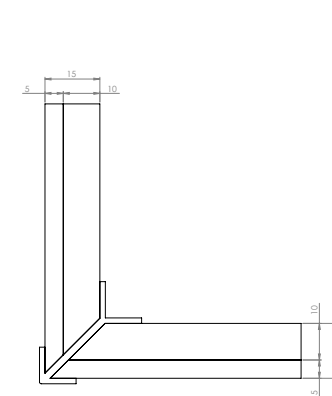
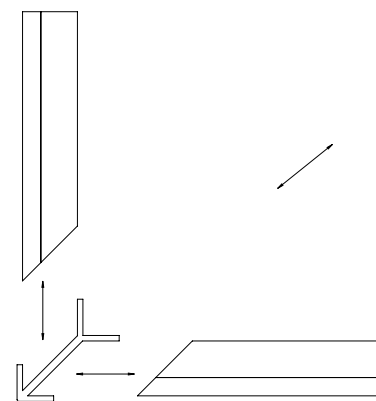
**FIBRE-REINFORCED
CONCRETE (5MM)**

PANBETON® CORNER CUTTING

OUTER CORNER

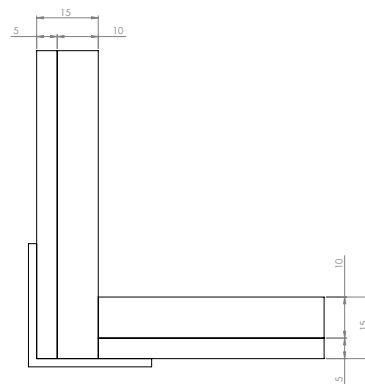
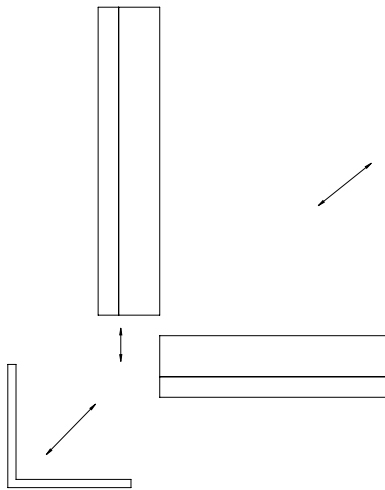


IRON CORNER

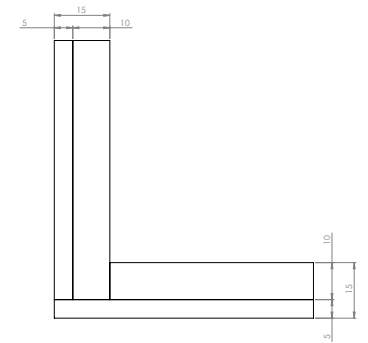
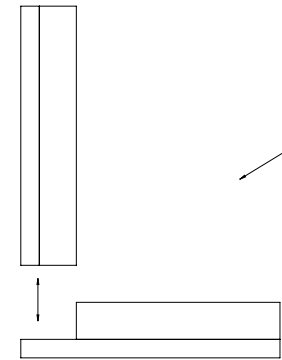


PANBETON® CORNER CUTTING

TOP CORNER IRON



BOARD TO BOARD JOIN



PANBETON® INSTALLATION TOOLS



CIRCULAR SAW TOOL



MALLET & HAND BRUSH



LEVEL, GUIDE & CARPENTER RULE



DIAMOND BLADE WITH A FINE GRIT & REDUCER RING



CIRCULAR SAW TOOL

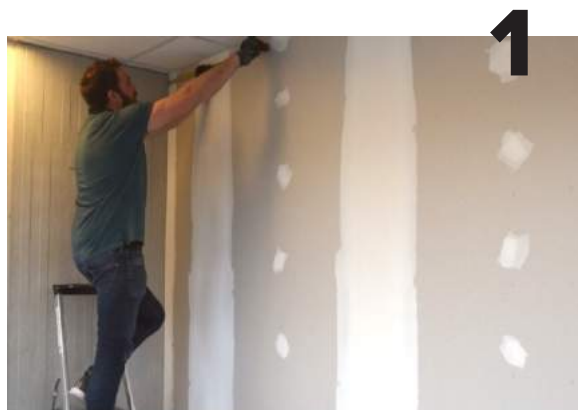


GLUE GUN & GLUE CARTRIDGE
HYBRIFIX-550
DEN BRAVEN SEALANTS

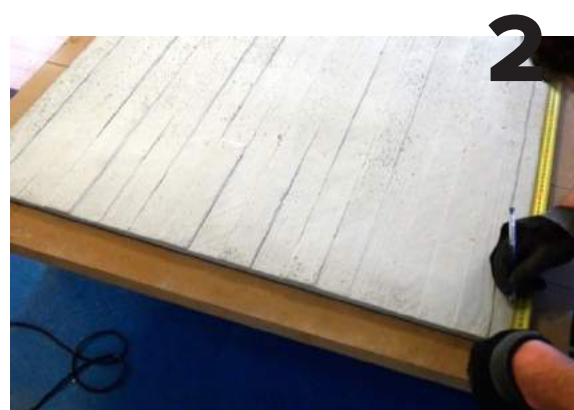


HYBRIFIX-550
DEN BRAVEN SEALANTS

PANBETON® INSTALLATION STEPS



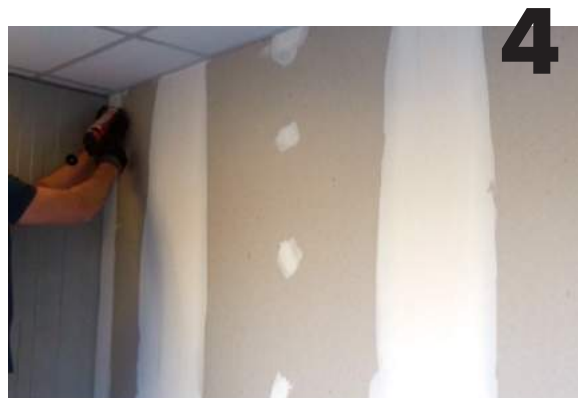
— TAKE WALL MEASUREMENTS BEFORE CUTTING THE PANEL



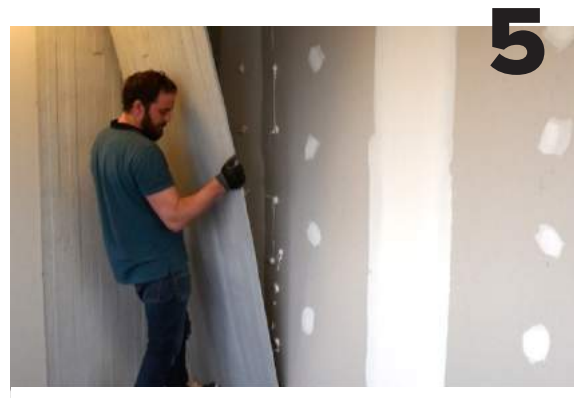
— COPY YOUR MEASUREMENTS ON THE PANBETON®



— START CUTTING WITH A PLUNGE-CUT SAW



— APPLY GLUE ON THE WALL



— INSTALL THE PANBTON® BY STARTING FROM BOTTOM TO TOP



DO NOT FORGET TO DUST PANELS AFTER FINAL INSTALLATION

CHECK THE ENTIRE VIDEO HERE: [HTTPS://WWW.YOUTUBE.COM/WATCH?V=U-IZ5ocQW-W](https://www.youtube.com/watch?v=U-IZ5ocQW-W)

CONCRETE LCDA

CONTACT

WWW.CONCRETE-BETON.COM

CONTACT@CONCRETE-BETON.COM