



## TECHNICAL DATA – ENGLISH

# PANBETON® VERTICAL PLANKS

DESIGN : STUDIO LCDA

DIMENSIONS : 3500 x 900 x 15 mm | 137.80" x 35.43" x 0.59"

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### CONCRETE LCDA

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[WWW.CONCRETE-BETON.COM](http://WWW.CONCRETE-BETON.COM)

## PANBETON®

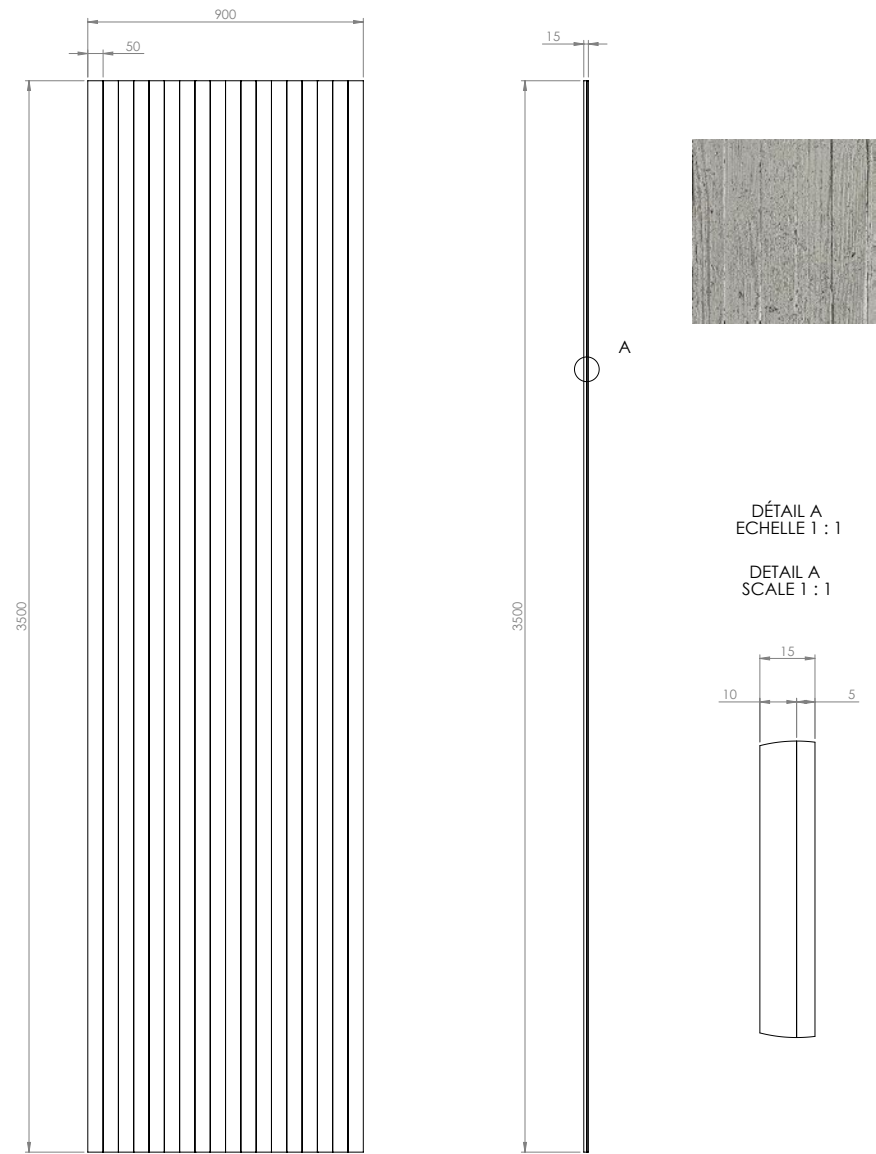
### ULTRA-LIGHTWEIGHT CONCRETE CLADDING

Panbeton® is a unique technology of ultra-lightweight concrete cladding. These slabs are quick and easy to install for wall and ceiling covering. 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.



TECHNICAL SHEET (MM)



INFORMATIONS TECHNIQUES :

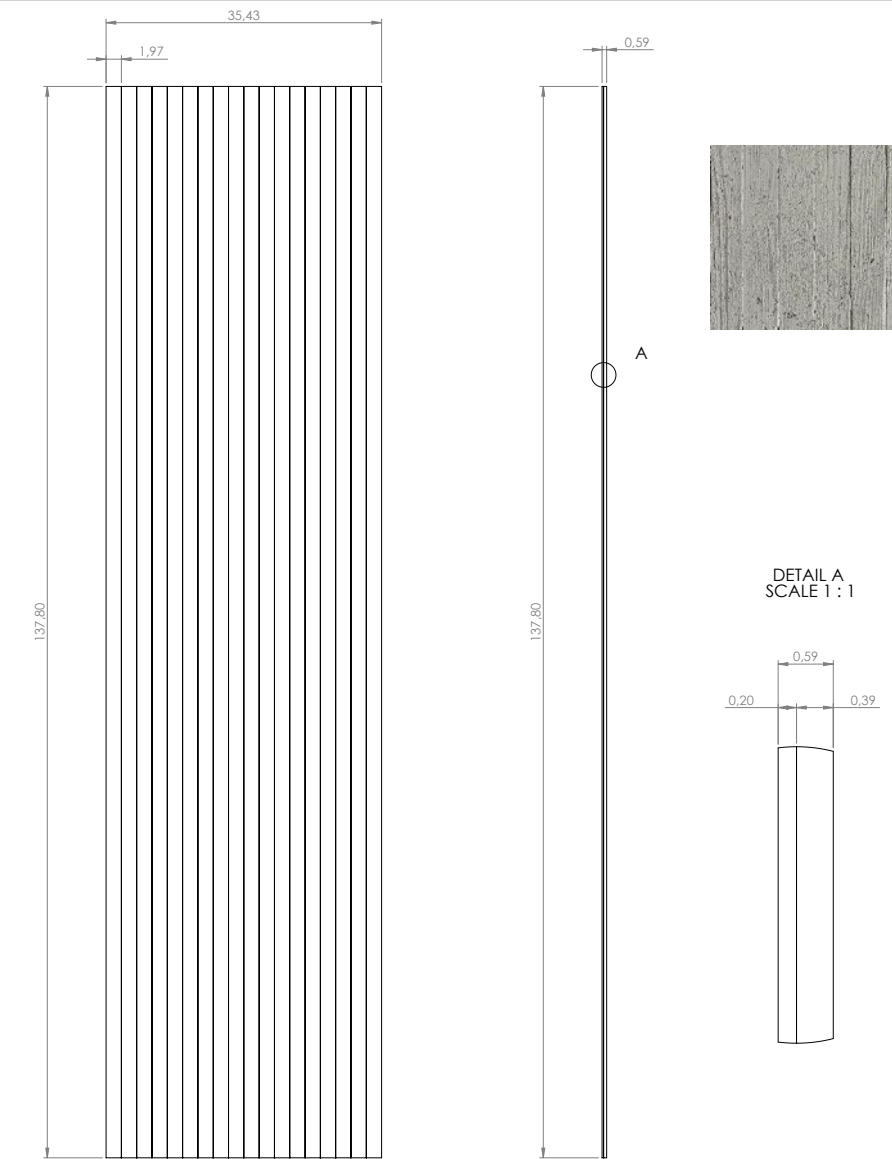
Matière : Béton fibré ultra haute performance  
Poids : 45 Kg  
Tolérance générale +/- 3 mm

TECHNICAL INFORMATIONS :

Material : Fiber High performance concrete  
Weight : 45 kg  
General tolerance : +/- 3 mm

CONCRETE LCDA			8 rue Copernic 49240 Avrillé www.concrete-beton.com	
Date	Nom	N°plan	Echelle : Scale :	Ep :
			PANBETON ® LAMES BOIS VERTICALES PANBETON ® VERTICAL PLANKS 3500 X 900 X 15 STUDIO LCDA	
Surface : m²			Bon pour accord : Agreement for production :	
Unités : mm			FEUILLE 1 SUR 1 SHEET 1 OF 1	
Poids : Kg				
Weight : kg				

TECHNICAL SHEET (INCH)












TECHNICAL INFORMATIONS :

Material : Fiber High performance concrete  
Weight : 99 LBS  
General tolerance : +/- 0.12 in

CONCRETE LCDA			8 rue Copernic 49240 Avrillé www.concrete-beton.com	
Date	Name	N°plan	Scale :	Ep :
			PANBETON ® VERTICAL PLANKS 137.80 X 35.43 X 0.59 STUDIO LCDA	
Surface :			Agreement for production :	
Units : in			SHEET 1 OF 1	
Weight : LBS				

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This drawing is the property of LCDA. Reproduction without our permission is prohibited.

	<b>DIMENSIONS</b>	3500 x 900 mm   137.80" x 35.43" (General tolerance +/- 3 mm   0.12")
	<b>ORTHOGONALITY</b>	+ /- 1.0 %
	<b>SURFACE AREA</b>	+ /- 1.0 %
	<b>THICKNESS</b>	15 mm   0.59"
	<b>WEIGHT</b>	45 Kg   99 lbs (+/- 20 %)
	<b>WEIGHT PER SQM</b>	12 to 18 kg/m²   25 lbs to 30 lbs /m²
	<b>COMPOSITION</b>	> Fibre-reinforced concrete > Construction panel
	<b>SEALER TREATMENT</b>	As an option (water-borne acrylic base)
	<b>MOUNTING &amp; BONDING</b>	Glue Hybrifix 550 DEN BRAVEN
	<b>SUBSTRATES</b>	Is glued to all substrates (plasterboard, bricks, breeze-blocks, etc.)
	<b>CUTTING</b>	Diamond blade (continuous-rim). outer corner possible, drilling with diamond-coated hole saw...

	<b>FIRE CLASSIFICATION</b>	> Euroclass B-s1, d0  > [OPTION] A2-s1d0 (with specific support : gypsum fiber board)  > ASTM E84 : Class A Smoke index : 0 Flame spread index : 0
	<b>HEAT RESISTANCE</b>	Up to 60°C   Up to 140 °F
	<b>THERMAL SHOCK</b>	Resistant
	<b>LIGHT RESISTANCE</b>	No impact
	<b>VOC CLASSIFICATION</b>	A+
	<b>ACOUSTIC</b>	Neutral
	<b>EXCLUDED</b>	Exterior, floor, shower stall. Not suitable for direct and continuous contact with water.

USE THIS ENTIRE DESCRIPTION TO SPECIFY OUR PRODUCTS.

COMPANY NAME		Concrete LCDA
TECHNICAL DATA	MORTAR	<p>Fibre-Reinforced shrinkage-compensating repair mortal.</p> <p>Non-shrinking mortal composed of sand, special cement, fibres and admixtures.</p> <p><b>Compressive strength:</b> Class R2</p> <p><b>Chloride ion content:</b> ≤ 0.05%</p> <p><b>Bonding :</b> ≥ 0.8 MPa</p>
	REINFORCED FIBRE	High Zirconia 17%+ Alkali Resistant Glass Fibre.
	CONSTRUCTION PANEL	Rigid extruded polystyrene foam finished on both sides with a polymer-modified mortar facing, reinforced with a glassfibre mesh fabric.

COMPOSITION

Slice view



5 MM | 0.19"

10 MM | 0.39"

FIBRE-  
REINFORCED  
CONCRETE

CONSTRUCTION  
PANEL



# FINISHES



Light Pitted



Medium Pitted

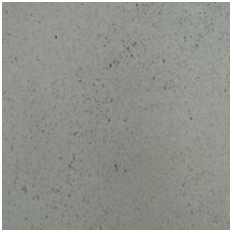


Heavy Pitted

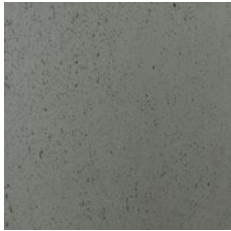
# COLORS



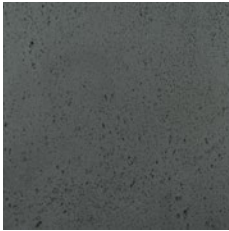
**200** - Natural Grey



**217** - Slate Grey



**216** - Anthracite Grey



**209** - Black



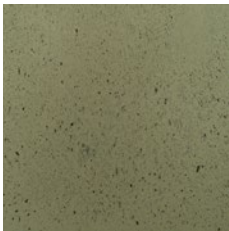
**402** - White



**404** - Stone



**205** - Brown



**269** - Luzerne



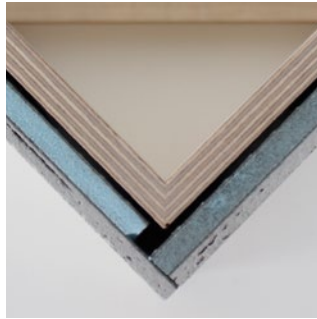
**473** - Ouarzazate



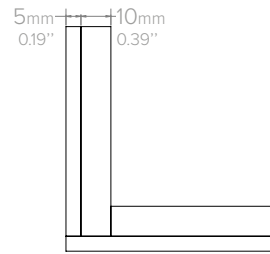
## 1 – BOARD TO BOARD JOIN



Front view

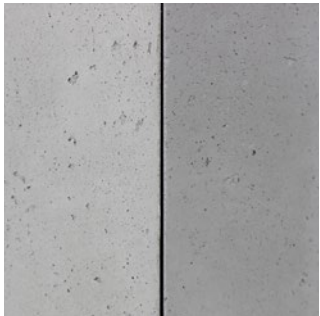


Top view

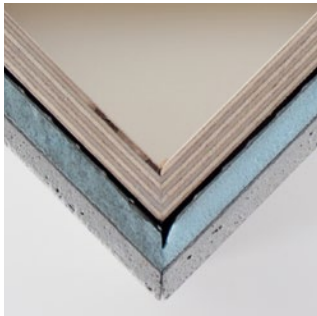


Schema

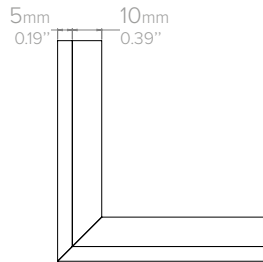
## 2 – OUTER CORNER\*



Front view

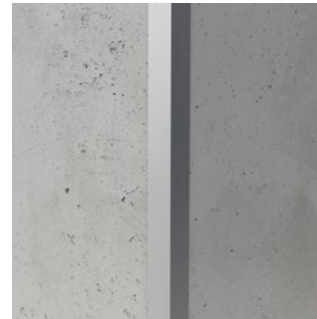


Top view

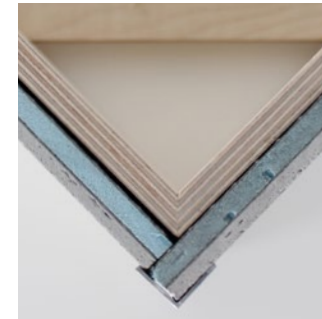


Schema

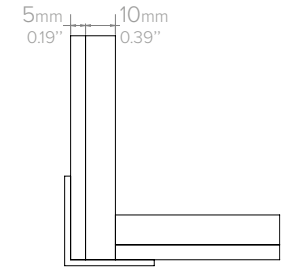
## 3 – TOP CORNER IRON



Front view

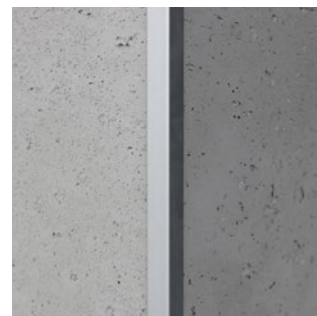


Top view



Schema

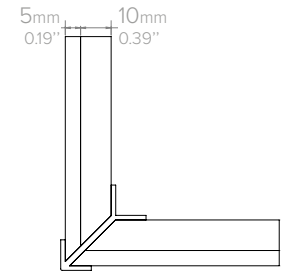
## 4 – IRON CORNER\*



Front view



Top view



Schema

\*45 degree cuts can be made at the Concrete LCDA factory (as an option).



# INSTALLATION TOOLS



PROTECTIVE  
GLOVES



SAFETY  
HEADPHONES



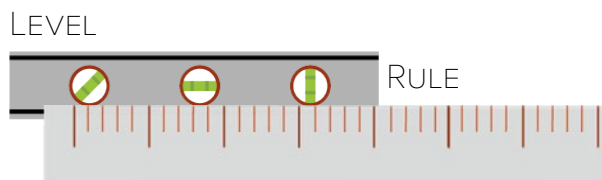
PROTECTIVE  
GLASSES



DUST MASK



HAND BRUSH

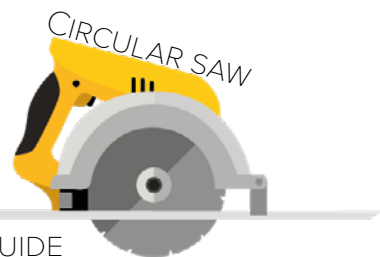


LEVEL

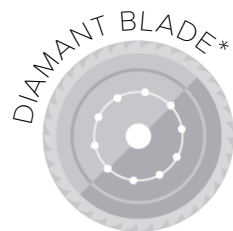
RULE



MALLET



CIRCULAR SAW  
& GUIDE  
RAIL



DIAMANT BLADE\*

REDUCER  
RING\*



\*Available in the cut kit  
(as an option)



GLUE GUN



GLUE HYBRIFIX  
550 DEN BRAVEN  
SEALANTS  
(recommended)

# INSTALLATION STEPS

FR

1



CLEAN THE AREA  
BEFORE THE INSTALLATION

2



TAKE WALL MEASUREMENTS  
BEFORE CUTTING THE PANEL

3



COPY YOUR MEASUREMENTS  
ON THE PANEL

4



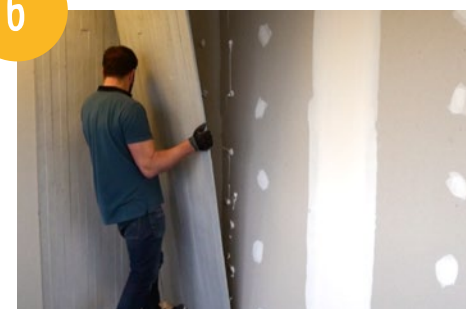
CUTTING WITH THE USE  
OF A GUIDE RAIL

5



APPLY GLUE ON THE WALL  
(OR ON THE BACK OF THE PANEL)

6



PLACE THE PANEL STARTING  
WITH THE BOTTOM

INSTALLATION VIDÉOS STEP BY STEP TO SEE

**ON OUR YOUTUBE CHANNEL @CONCRETE LCDA**



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