Technical data – English

PANBETON® CLASSIC

DESIGN : STUDIO LCDA
DIMENSIONS : 3500 x 1200 x 17,5 mm | 137.80" x 47.24" x 0.69"

CONCRETE LCDA
8 rue Copernic 49240 Avrillé - FRANCE
T. +33 (0) 2 41 33 99 10   F. +33 (0) 9 70 32 65 61
CONTACT@CONCRETE-BETON.COM
WWW.CONCRETE-BETON.COM

PANBETON®

ULTRA-LIIGHTWEIGHT 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.

C

C (1 : 2)

EN

1200

17,50

3500

3500

A
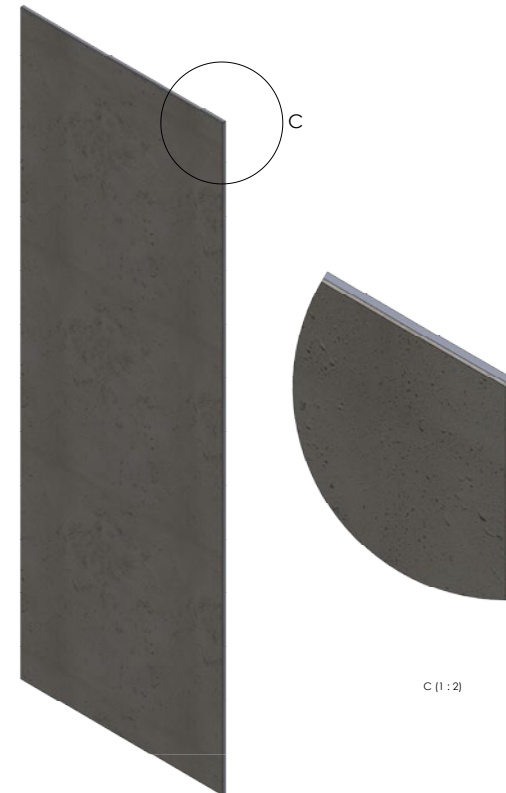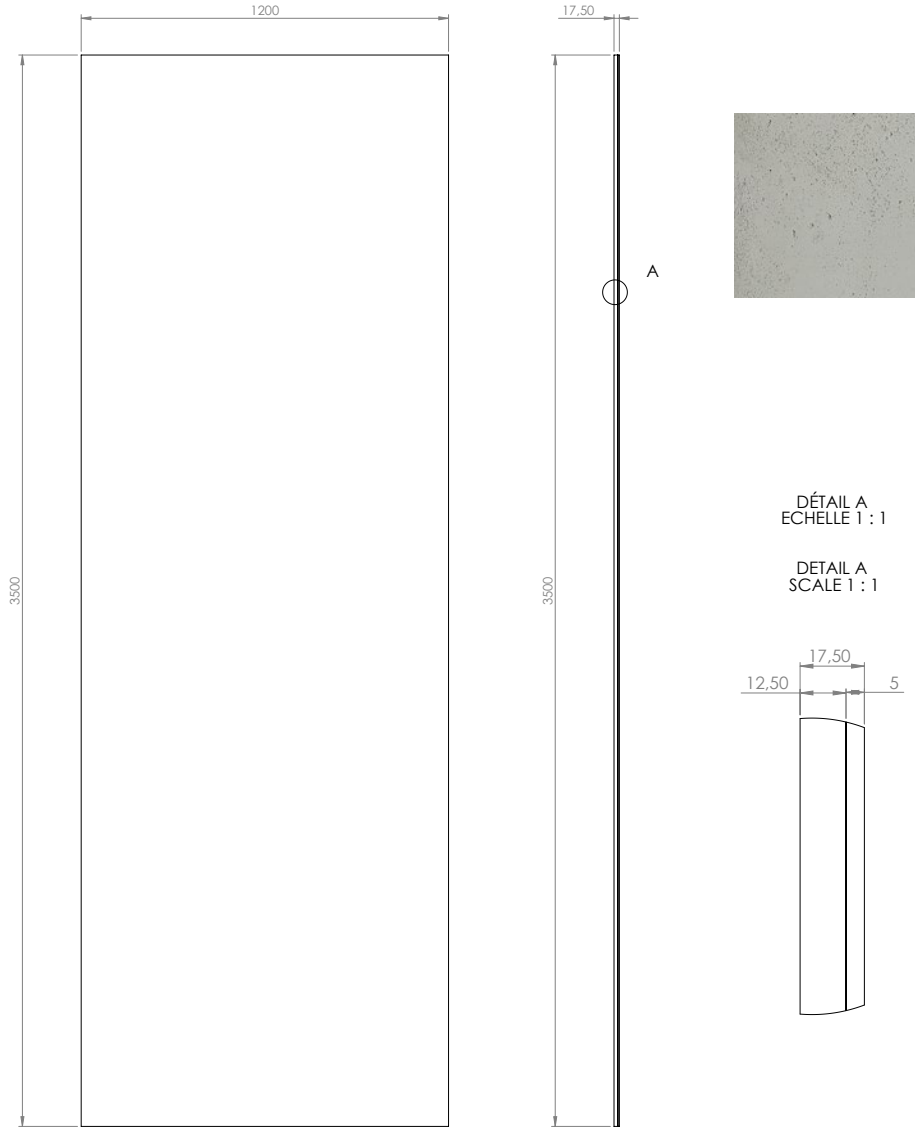
DÉTAIL A
ECHELLE 1 : 1

DETAIL A
SCALE 1 : 1

17,50

12,50   5

47,24

0,69

137,80

137,80

A

DETAIL A
SCALE 1 : 1

0,69

0,20   0,49

INFORMATIONS TECHNIQUES :

Matière : Béton fibré ultra haute performance

Poids : 55 Kg

Tolérance générale +/- 3 mm

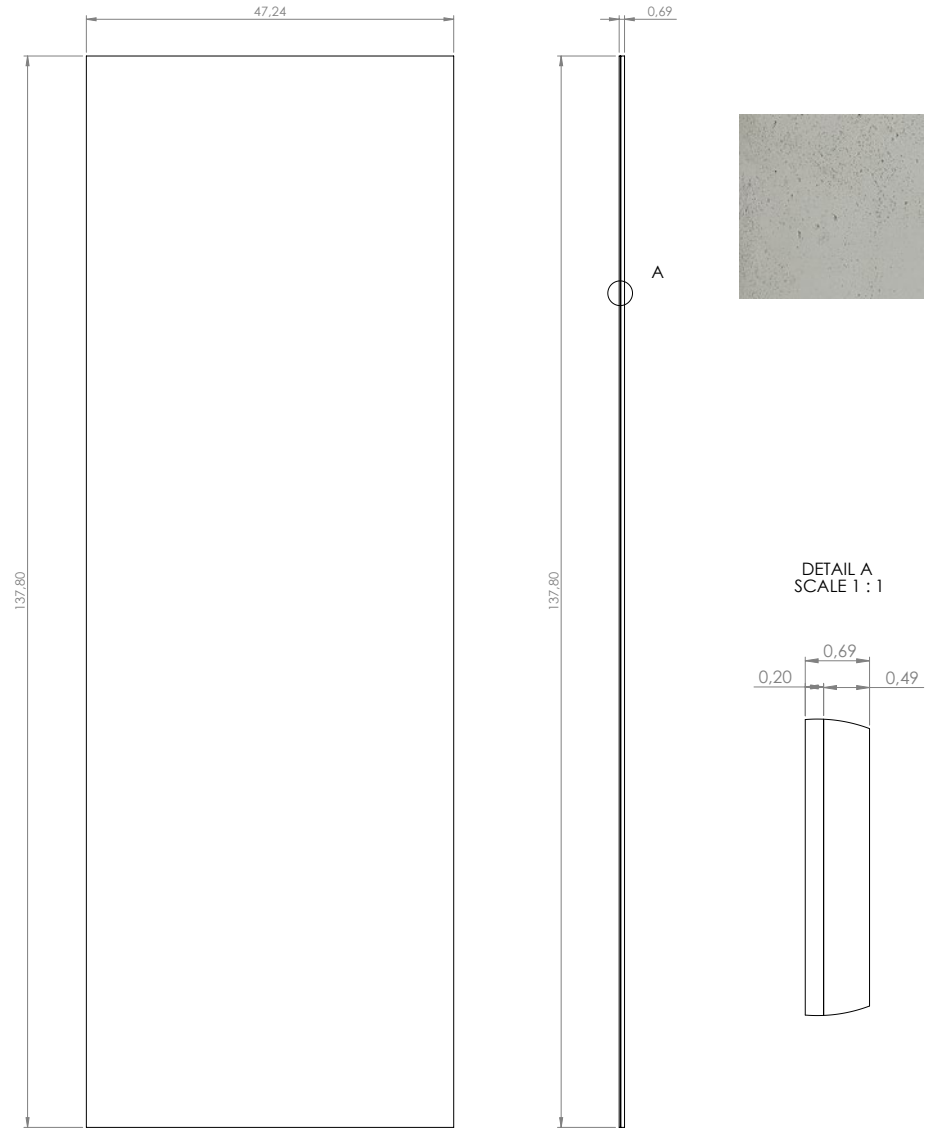TECHNICAL INFORMATIONS :

Material : Fiber High performance concrete

Weight : 55 kg

General tolerance : +/- 3 mm

TECHNICAL INFORMATIONS :

Material : Fiber High performance concrete

Weight : 121 LBS

General tolerance : +/- 0.12 in

CONCRETE LCDA

8 rue Copernic 49240 Avrillé
www.concrete-beton.com

Echelle : Scale :			Ep :
Date	Nom Name	N°plan	

PANBETON ® CLASSIQUE 3500 X 1200 X 17.5 m
PANBETON ® CLASSIC 3500 X 1200 X 17.5 mm
STUDIO LCDA

Surface : m²	Bon pour accord :
Unités : mm Units : mm	Agreement for production :
Poids : Kg Weight : kg	**FEUILLE 1 SUR 1** **SHEET 1 OF 1**

CONCRETE LCDA

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Scale :			Ep :
Date	Name	N°plan	

PANBETON ® CLASSIC 137.80" X 47.24" X 0.7"
STUDIO LCDA

Surface :	Agreement for production :
Units : in	
Weight : LBS	**SHEET 1 OF 1**

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CONCRETE LCDA

TECHNICAL DATA

	DIMENSIONS	3500 x 1200 mm | 102.36" x 47.24" (General tolerance +/- 3 mm | 0.12")
	ORTHOGONALITY	+ /- 1.0 %
	SURFACE AREA	+ /- 1.0 %
	THICKNESS	17,5 mm | 0.69"
	WEIGHT	55 Kg | 121 lbs (+/- 20 %)
	WEIGHT PER SQM	12 to 18 kg/m² | 25 lbs to 30 lbs /m²
	COMPOSITION	> Fibre-reinforced concrete > Construction panel
	SEALER TREATMENT	As an option (water-borne acrylic base)
	MOUNTING & BONDING	Glue Hybrifix 550 DEN BRAVEN
	SUBSTRATES	Is glued to all substrates (plasterboard, bricks, breeze-blocks, etc.)
	CUTTING	Diamond blade (continuous-rim). outer corner possible, drilling with diamond-coated hole saw...

	FIRE CLASSIFICATION	> Euroclass B-s1, d0
		
		 > *[OPTION] A2-s1d0*
		 (with specific support : gypsum fiber board)
		
		 > ASTM E84 :
		   Class A
		   Smoke index : 0
		   Flame spread index : 0

	HEAT RESISTANCE	Up to 60°C | Up to 140 °F
	THERMAL SHOCK	Resistant
	LIGHT RESISTANCE	No impact
	VOC CLASSIFICATION	A+
	ACOUSTIC	Neutral
	EXCLUDED	Exterior, floor, shower stall. Not suitable for direct and continuous contact with water.

CONCRETE LCDA

USE THIS ENTIRE DESCRIPTION TO SPECIFY OUR PRODUCTS.

TECHNICAL DATA	**COMPANY NAME**	Concrete LCDA
	MORTAR	Fibre-Reinforced shrinkage-compensating repair mortal. Non-shrinking mortal composed of sand, special cement, fibres and admixtures. **Compressive strength**: Class R2 **Chloride ion content**: ≤ 0.05% **Bonding** : ≥ 0.8 MPa
	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 I 0.19''   12,5 MM I 0.49''

FIBRE-REINFORCED CONCRETE

CONSTRUCTION PANEL

FINISHES

Light Pitted

Medium Pitted

Heavy Pitted

COLORS
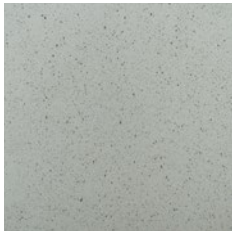
200 - Natural Grey

217 - Slate Grey
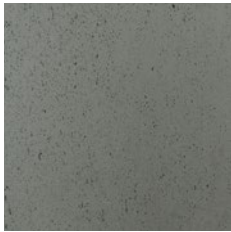
216 - Anthracite Grey
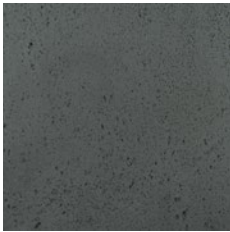
209 - Black
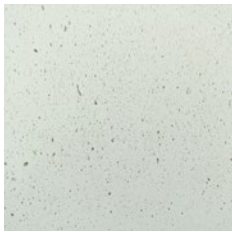
402 - White

404 - Stone

205 - Brown
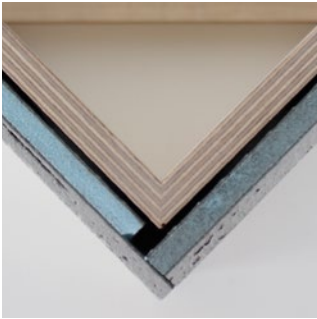

269 - Luzerne

473 - Ouarzazate

5

CORNER CUTTING

1 – BOARD TO BOARD JOIN
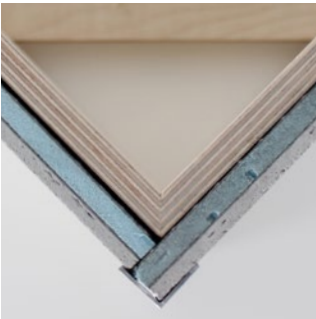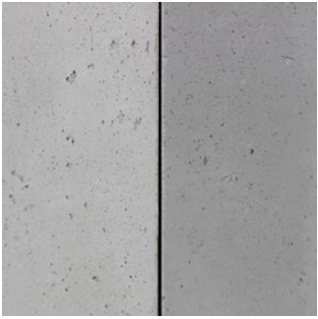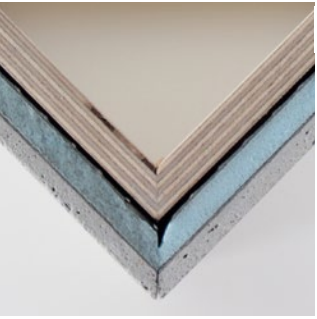

Front view

Top view

5mm
0.19''

12,5mm
0.49''

Schema

2 – OUTER CORNER*

Front view

Top view

5mm
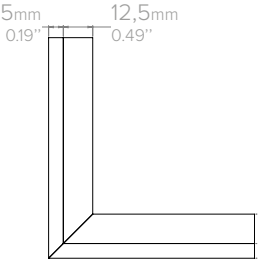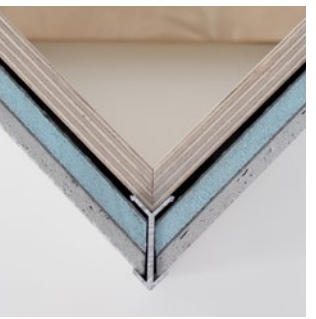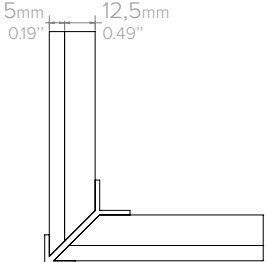0.19''

12,5mm
0.49''
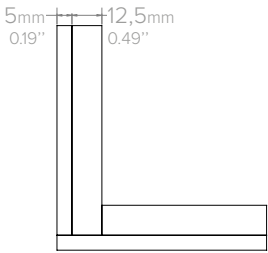
Schema

3 – TOP CORNER IRON

Front view

Top view

5mm
0.19''

12,5mm
0.49''

Schema

4 – IRON CORNER*

Front view

Top view

5mm
0.19''

12,5mm
0.49''

Schema

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

INSTALLATION TOOLS

INSTALLATION STEPS

Protective gloves

Safety headphones

Protective glasses

Dust mask
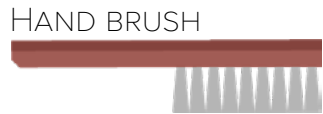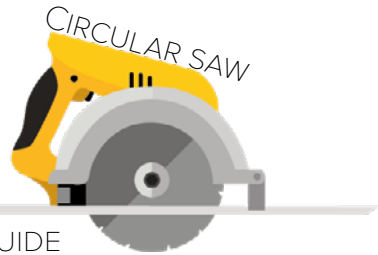
Hand brush
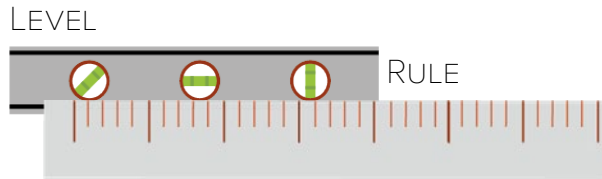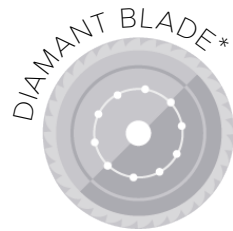
Mallet

Level

Rule

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)

CONCRETE LCDA
HYBRIFIX 550 DEN BRAVEN
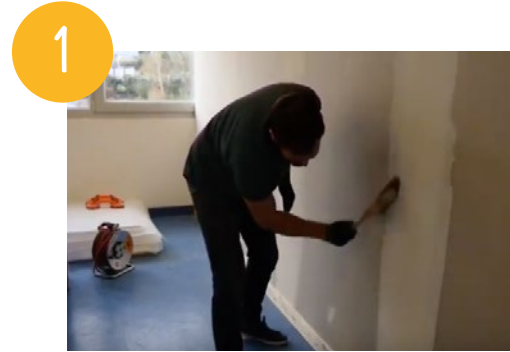
1 Clean the area before the installation
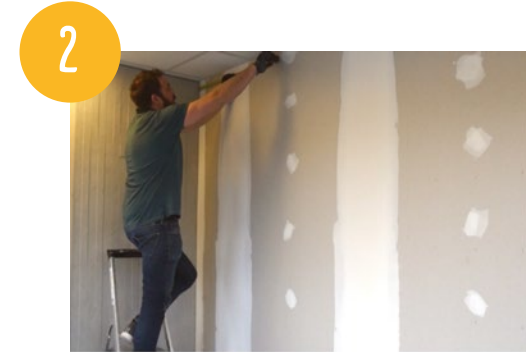
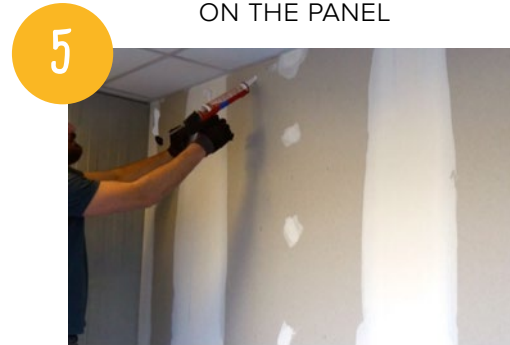**2** Take wall measurements before cutting the panel
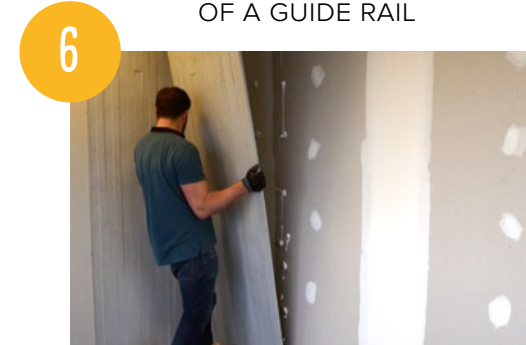
3 Copy your measurements on the panel

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

> Panbeton®
> Slimbeton®

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