



TECHNICAL DATA - ENGLISH

## PANBETON® RUGGED

DESIGN : STUDIO LCDA

DIMENSIONS : 2600 x 900 X 25 mm | 102.36" x 35.43" x 0.98"

---

**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@CONCRETELCAA.COM**

**WWW.CONCRETELCAA.COM**

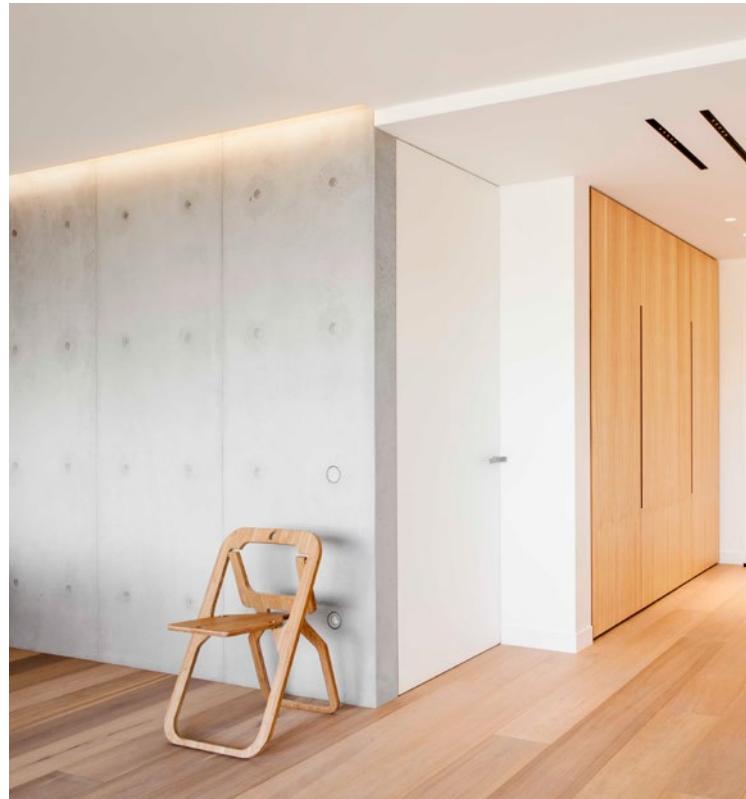
# PRODUCT PRESENTATION

## PANBETON®

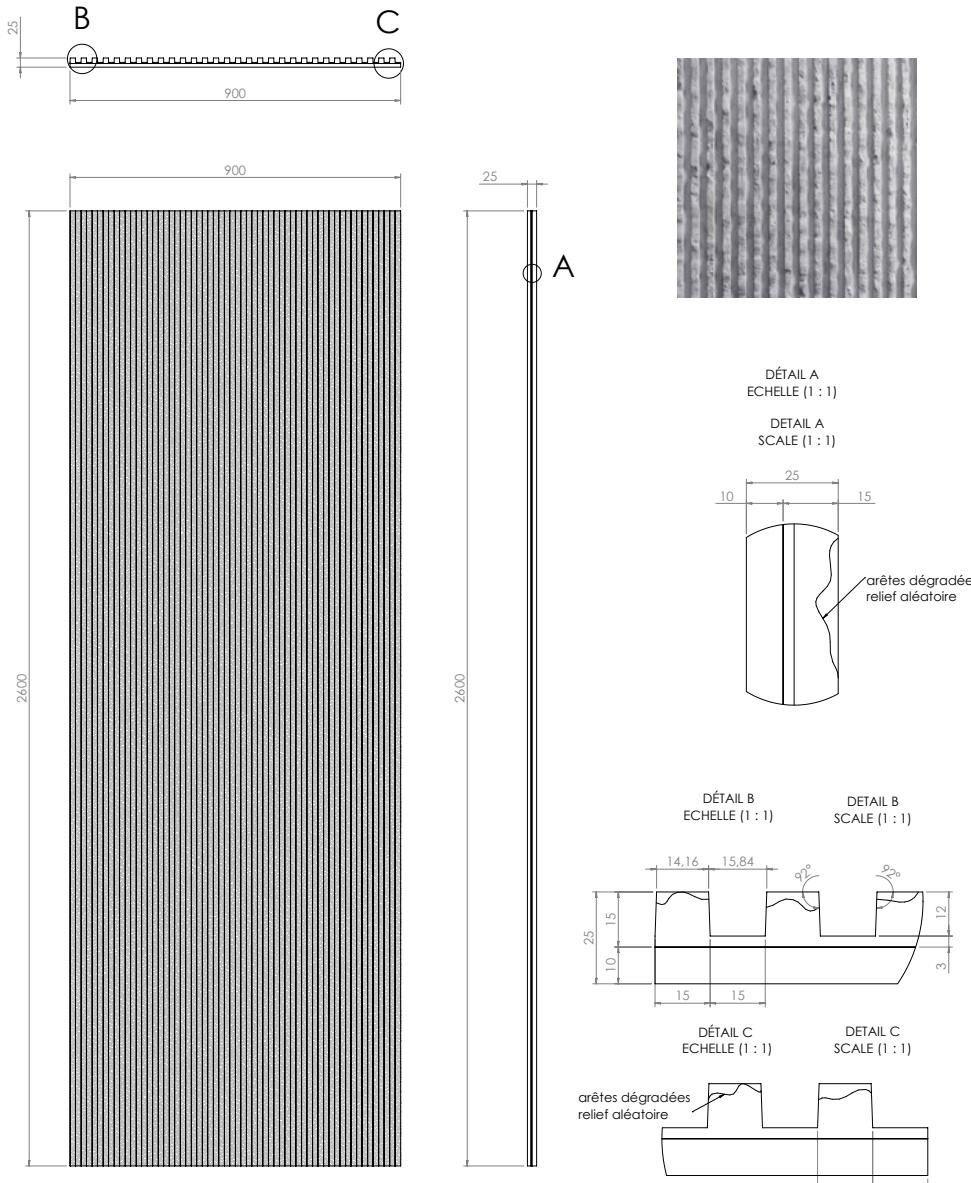
### ULTRA-LIGHTWEIGHT CONCRETE CLADDING

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 : 60 Kg

Tolérance générale +/- 3 mm

## TECHNICAL INFORMATIONS :

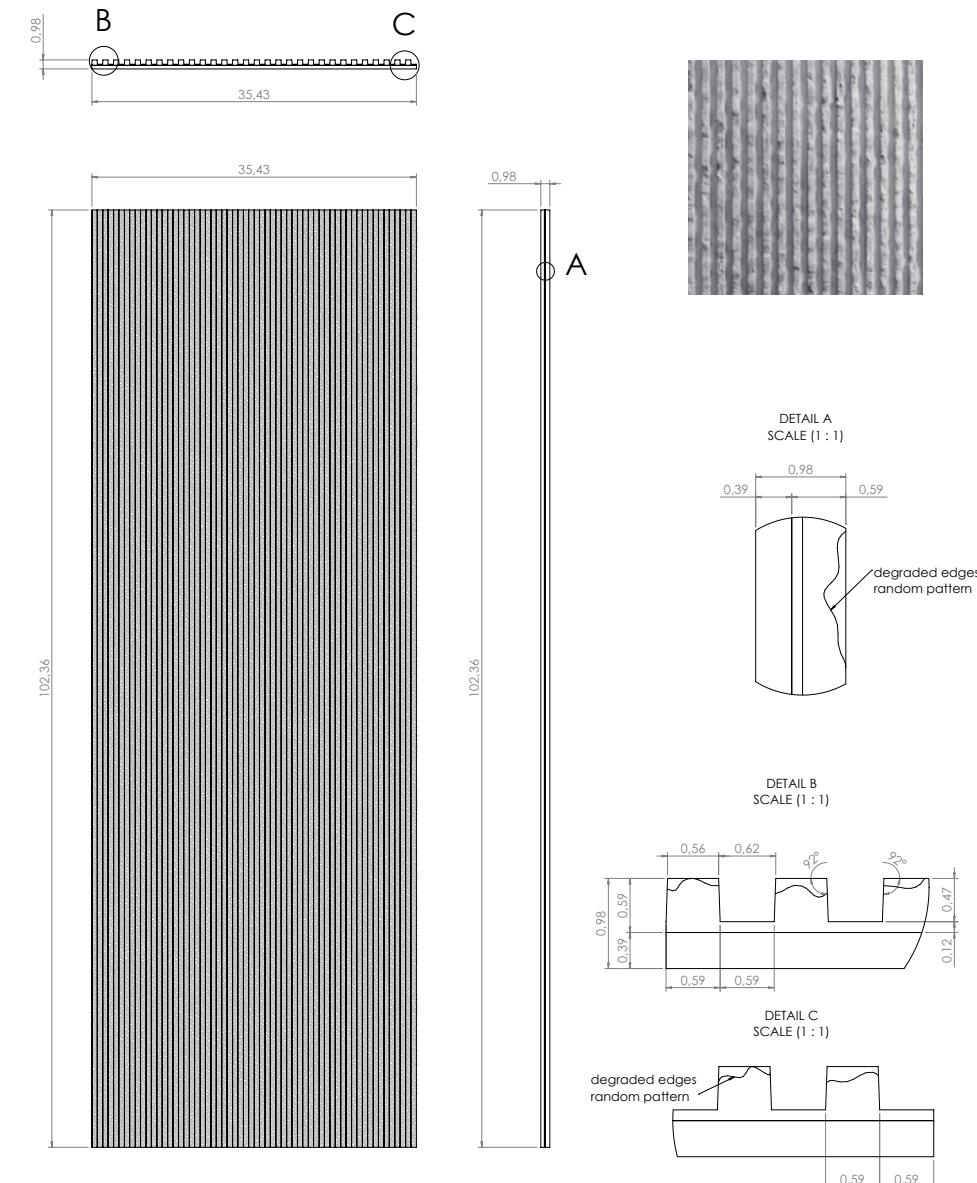
Material : Fiber High performance concrete

Weight : 60 kg

General tolerance : +/- 3 mm

| CONCRETE LCDA  |     |        |
|--|-----|--------|
| Date   | Nom | N°plan |
|  |     |        |
| 8 rue Copernic 49240 Avrillé<br>www.concrete-beton.com |     |        |
| Echelle :<br>Scale : Ep :                              |     |        |
| PANBETON® RUGGED<br>STUDIO LCDA                        |     |        |
| 2600 x 900 x 25mm                                      |     |        |
| Surface : m²<br>Units : mm<br>Units : mm               |     |        |
| Bon pour accord :<br>Agreement for production :        |     |        |
| FEUILLE 1 SUR 1<br>SHEET 1 OF 1                        |     |        |

# TECHNICAL SHEET (INCH)



|                                 |  |
|---------------------------------|--|
| CONCRETE LCDA                   | 8 rue Copernic 49240 Avrillé<br>www.concrete-beton.com |
| Scale :                         | Ep :   |
| PANBETON® RUGGED<br>STUDIO LCDA |  |
| Surface :                       | Agreement for production :                             |
| Units : in                      |  |
| Weight : LBS                    |  |
| SHEET 1 OF 1                    |  |

Ce dessin est la propriété de la société LCDA. Toute reproduction sans notre accord préalable est interdite.

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

# TECHNICAL DATA

EN

|   |                               |   |
|---|-------------------------------|---|
|    | <b>DIMENSIONS</b>             | 2600 x 900 mm   102.36" x 35.43"<br>(General tolerance +/- 3 mm   0.12")                              |
|    | <b>ORTHOGONALITY</b>          | +/- 1.0 %   |
|    | <b>SURFACE AREA</b>           | +/- 1.0 %   |
|    | <b>THICKNESS</b>              | 25 mm   0.98"   |
|    | <b>WEIGHT</b>                 | 60 Kg   132 lbs<br>(+/- 20 %)   |
|    | <b>WEIGHT PER SQM</b>         | 12 to 18 kg/m²   25 lbs to 30 lbs /m²   |
|    | <b>COMPOSITION</b>            | > Fibre-reinforced concrete<br>> Construction panel   |
|   | <b>SEALER TREATMENT</b>       | - Dust and Stain protection<br>- Enhanced water repellency<br>(optional)                              |
|  | <b>MOUNTING &amp; BONDING</b> | Glue<br>Hybrifix 550 DEN BRAVEN   |
|  | <b>SUBSTRATES</b>             | Is glued to all substrates<br>(plasterboard, bricks, breeze-blocks, etc.)                             |
|  | <b>CUTTING</b>                | Diamond blade (continuous-rim).<br>outer corner possible, drilling with<br>diamond-coated hole saw... |

|   |  |  |
|---|--|--|
|    | <b>FIRE CLASSIFICATION</b>                 | > Euroclass B-s1, d0<br><br>> [OPTION] A2-s1d0<br>(with specific support : gypsum fiber board)<br><br>> ASTM E84 :<br>Class A<br>Smoke index : 0<br>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.<br>Not suitable for direct and continuous contact with water.   |
|  | <b>SPECIFIC NOTES RELATED TO THE MODEL</b> | Only available in medium pitted.   |

USE THIS ENTIRE DESCRIPTION TO SPECIFY OUR PRODUCTS.

## TECHNICAL DATA

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

## COMPOSITION

Slice view

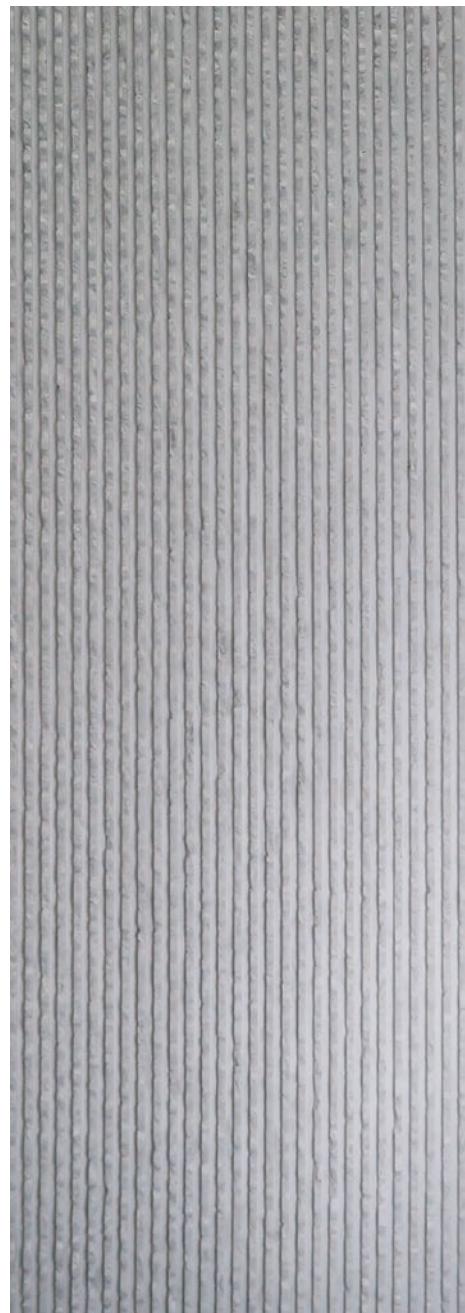


15 MM | 0.59"

FIBRE-  
REINFORCED  
CONCRETE

10 MM | 0.39"

CONSTRUCTION  
PANEL

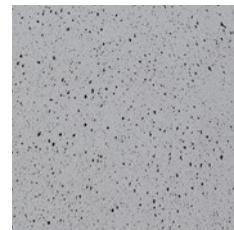


## FINISH

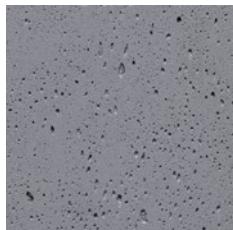


Medium Pitted

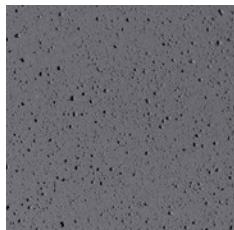
## COLORS



200 - Natural Grey



217 - Slate Grey



216 - Anthracite Grey



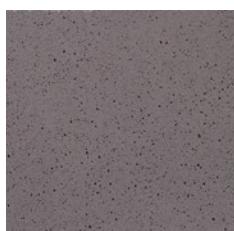
209 - Black



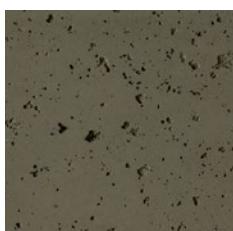
402 - White



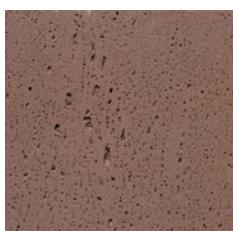
404 - Stone



205 - Brown



269 - Luzerne



473 - Ouarzazate

# CORNER CUTTING

EN

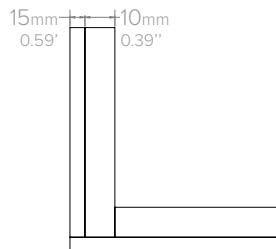
## 1 - BOARD TO BOARD JOIN



Front view



Top view

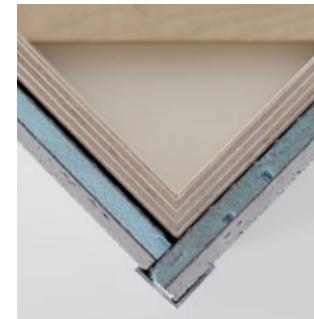


Schema

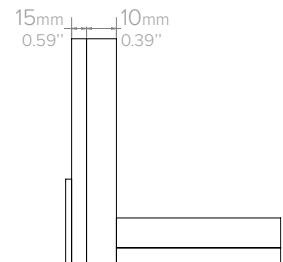
## 3 - TOP CORNER IRON



Front view



Top view

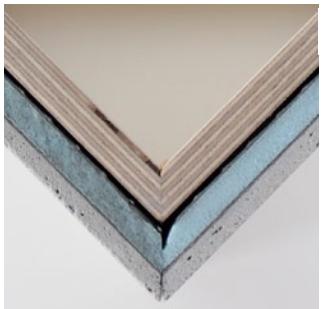


Schema

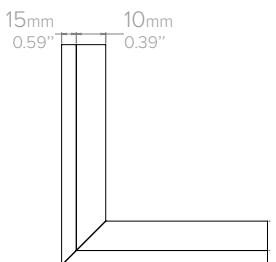
## 2 - OUTER CORNER\*



Front view

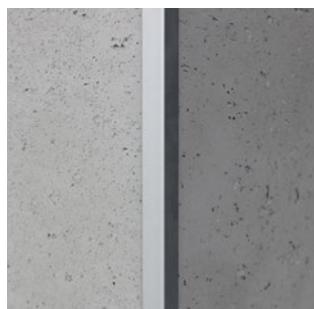


Top view

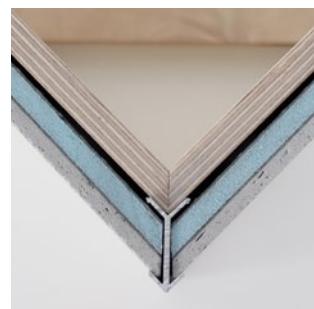


Schema

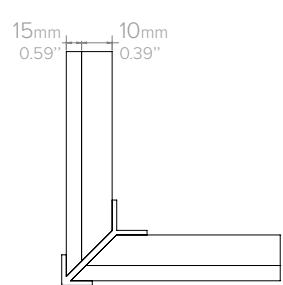
## 4 - IRON CORNER\*



Front view



Top view



Schema

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



# INSTALLATION TOOLS

FR



PROTECTIVE GLOVES



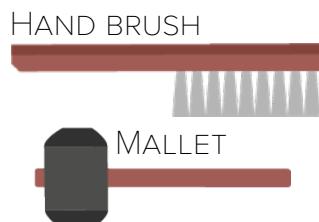
SAFETY HEADPHONES



PROTECTIVE GLASSES

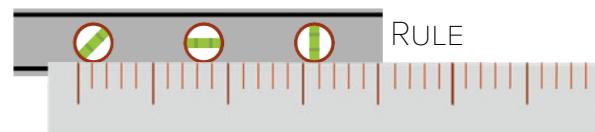


DUST MASK

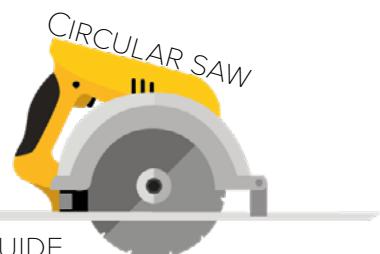


HAND BRUSH

LEVEL



RULE



& GUIDE RAIL



GLUE GUN



GLUE HYBRIFIX  
550 DEN BRAVEN  
SEALANTS  
(recommended)



DIAMANT BLADE\*

REDUCER RING\*

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

# INSTALLATION STEPS

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®](#)

7