



## TECHNICAL DATA – ENGLISH

# PANBETON® CHEVRONS

DESIGN : JEAN-PHILIPPE NUEL

DIMENSIONS : 2600 x 900 x 15 mm | 102.36" 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®

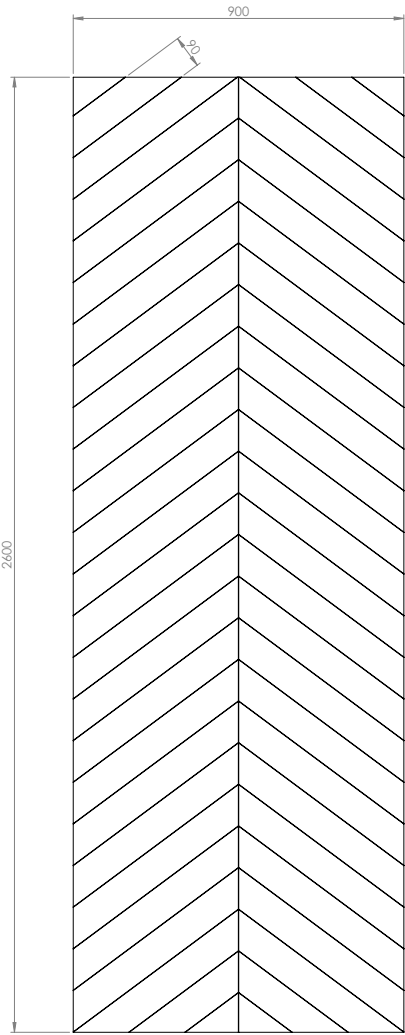
### ULTRA-LIGHTWEIGHT CONCRETE CLADDING

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.

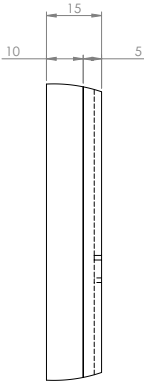


# TECHNICAL SHEET (MM)



Trois variations de modèles  
de lames possible  
Three variations of models  
of blades possible

DÉTAIL A  
ECHELLE 1 : 1  
DETAIL A  
SCALE 1 : 1



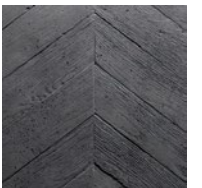
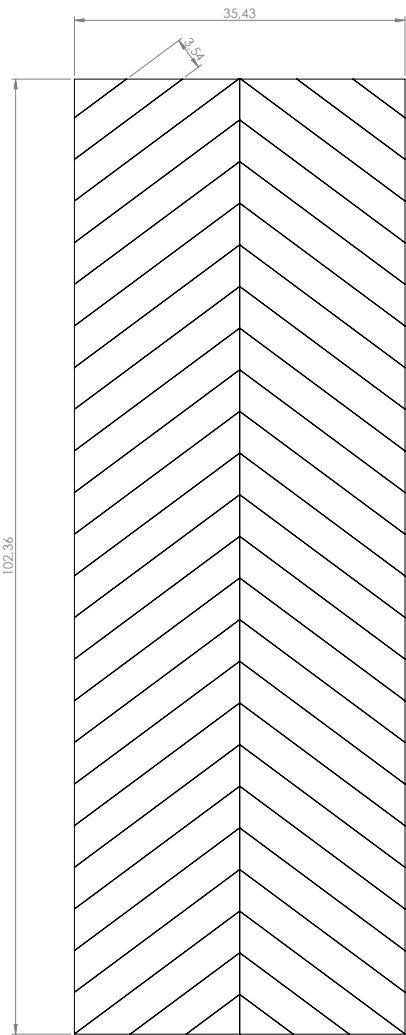
**INFORMATIONS TECHNIQUES :**  
Matière : Béton fibré ultra haute performance  
Poids : 30 Kg  
Tolérance générale +/- 3 mm

**TECHNICAL INFORMATIONS :**  
Material : Fiber High performance concrete  
Weight : 30 kg  
General tolerance : +/- 3 mm

|                      |     |        |  |      |
|----------------------|-----|--------|--|------|
| <b>CONCRETE LCDA</b> |     |        | 8 rue Copernic 49240 Avrillé<br>www.concrete-beton.com |      |
| Date                 | Nom | N°plan | Echelle :  | Ep : |
|                      |     |        | PANBETON @ CHEVRONS<br>JEAN-PHILIPPE NUEL              |      |
| Surface : m²         |     |        | Bon pour accord :                                      |      |
| Units : mm           |     |        | Agreement for production :                             |      |
| Units : mm           |     |        | FEUILLE 1 SUR 1  |      |
| Poids : Kg           |     |        | SHEET 1 OF 1   |      |
| Weight : kg          |     |        |  |      |

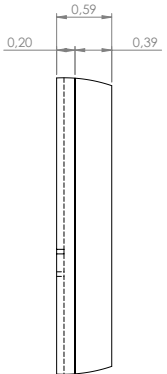
# TECHNICAL SHEET (INCH)

EN



Three variations of models  
of blades possible

DETAIL A  
SCALE 1 : 1











**TECHNICAL INFORMATIONS :**  
Material : Fiber High performance concrete  
Weight : 66 LBS  
General tolerance : +/- 0.12 in

|                      |      |        |  |      |
|----------------------|------|--------|--|------|
| <b>CONCRETE LCDA</b> |      |        | 8 rue Copernic 49240 Avrillé<br>www.concrete-beton.com |      |
| Date                 | Name | N°plan | Scale :  | Ep : |
|                      |      |        | PANBETON @ CHEVRONS<br>JEAN-PHILIPPE NUEL              |      |
| Surface :            |      |        | Agreement for production :                             |      |
| Units : in           |      |        | SHEET 1 OF 1   |      |
| Weight : LBS         |      |        |  |      |

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|   |                               |   |
|---|-------------------------------|---|
|    | <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>              | 15 mm   0.59"   |
|    | <b>WEIGHT</b>                 | 30 Kg   66 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>       | As an option<br>(water-borne acrylic base)  |
|  | <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... |

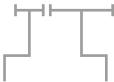
|   |  |   |
|---|--|---|
|    | <b>FIRE CLASSIFICATION</b>                         | > Euroclass B-s1, d0<br><br>> [OPTION] A2-s1d0<br>(with specific support : gypsum<br>fiber board)<br><br>> ASTM E84 :<br>Class A<br>Smoke index : 0<br>Flame spread index : 0 |
|    | <b>HEAT RESISTANCE</b>                             | 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<br>continuous contact with water.   |
|  | <b>SPECIFIC NOTES<br/>RELATED TO THE<br/>MODEL</b> | Available in three different<br>plank designs. Each design has<br>its own wood grain pattern.   |

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

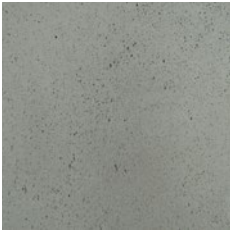


Heavy Pitted

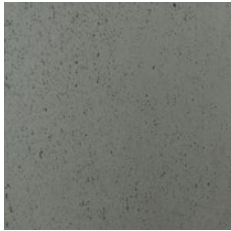
# COLORS



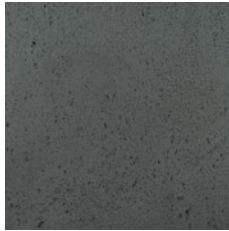
**200** - Natural Grey



**217** - Slate Grey



**216** - Anthracite Grey



**209** - Black



**402** - White



**404** - Stone



**205** - Brown



**269** - Luzerne

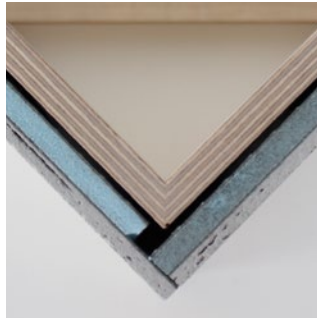


**473** - Ouarzazate

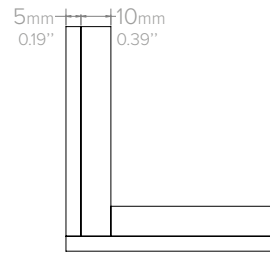
## 1 - BOARD TO BOARD JOIN



Front view

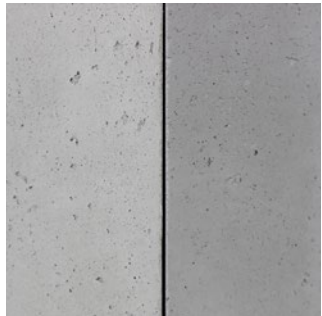


Top view

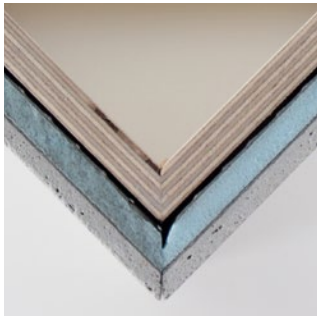


Schema

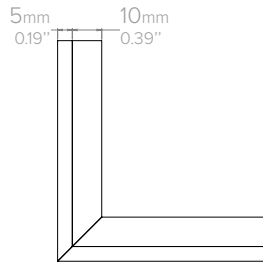
## 2 - OUTER CORNER\*



Front view



Top view

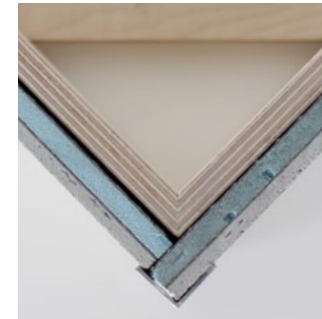


Schema

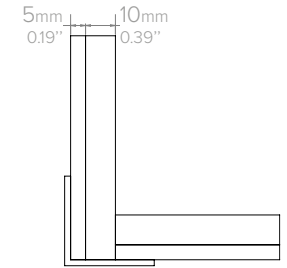
## 3 - TOP CORNER IRON



Front view

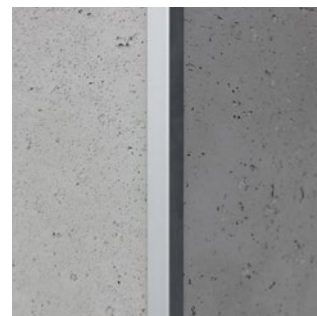


Top view



Schema

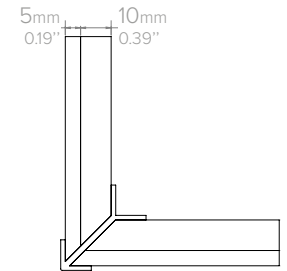
## 4 - IRON CORNER\*



Front view

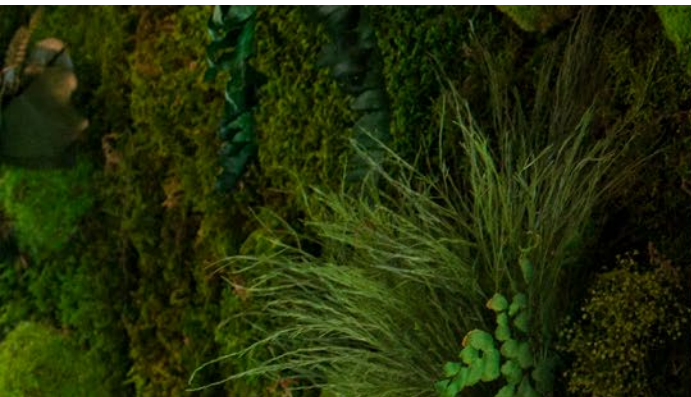


Top view



Schema

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



# INSTALLATION TOOLS



PROTECTIVE GLOVES



SAFETY HEADPHONES



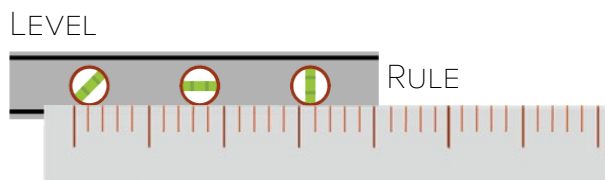
PROTECTIVE GLASSES



DUST MASK



HAND BRUSH

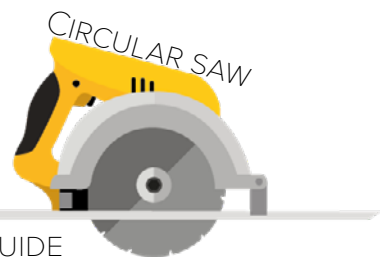


LEVEL

RULE

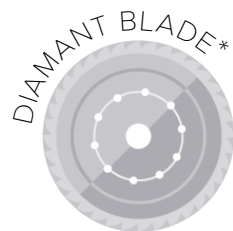


MALLET



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



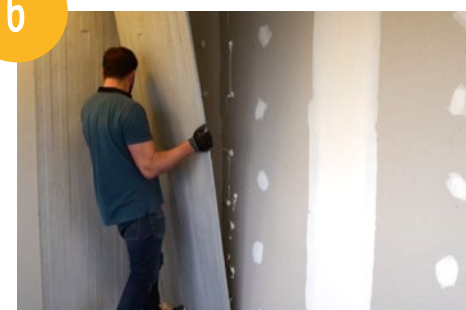
CUTTING WITH THE USE OF A GUIDE RAIL

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**



> [PANBETON®](#)

> [SLIMBETON®](#)

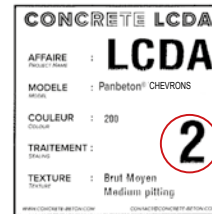
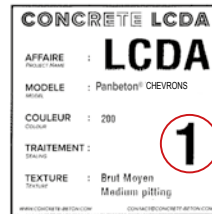


# INSTALLATION : 3 PLANK DESIGNS



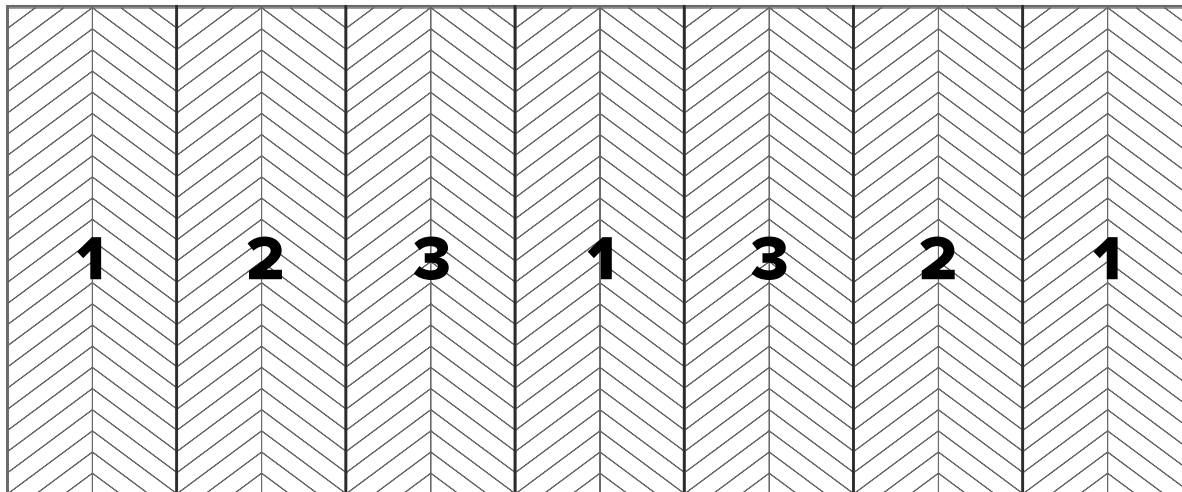
Panbeton® Chevrons is available in **three different plank designs**. Each design has its own wood grain pattern.

These three designs are marked with numbers 1, 2 and 3 indicated on the labels of each panel :



When installing the panels, consider alternating the different designs, **making sure not to put two of the same designs together**. You can arrange the designs as follows: 1-2 or 2-1, 1-3 or 3-1, 2-3 or 3-2, in order to achieve the best visual effect.

Example of layout:



Do not put two of the same designs together:

