

INSTALLATION MANUAL



CONCRETE LCDA

Innovative solutions in concrete for interior design

UPON RECEIPT OF YOUR ORDER

➡ CHECK THE
GOODS



➡ WRITE ANY COMMENTS
ON THE WAYBILL
BEFORE RETURNING
SIGNED COPY TO THE
DRIVER

➡ TAKE PICTURES OF THE
CONDITION OF THE
GOODS IF NECESSARY.



TO SUCCEED YOUR INSTALLATION

WEAR **GLOVES** TO
AVOID STAINING
THE PANELS



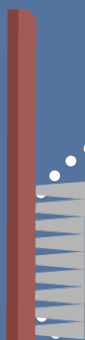
ALWAYS
HANDLE
THE PANELS
BY **THEIR EDGES**

USE A SUITABLE
ADHESIVE SUCH AS
**HYBRIFIX 550 - DEN
BRAVEN SEALANTS**
(recommended)



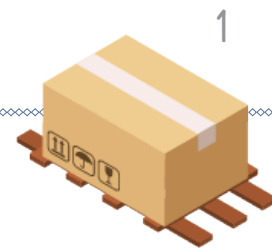
DRILL AND CUT
ONLY WITH
DIAMOND TOOLS

REMOVE DUST
FROM THE PANELS
BEFORE AND AFTER
INSTALLATION



**DO NOT USE
ADHESIVE
STRIPS** ON THE
PANEL CLADDING

PACKAGING



- ➔ Panels are delivered on **pallets or crates**.
- ➔ The panels are stored on their edges and **wrapped in sets of two panels**.
- ➔ **Quality control is done at the factory** and the crate/pallet remains closed/sealed until the delivery

PACKAGING DIMENSIONS (W*L*H)

PANBETON®

PALLET
2750*600*1250 mm



CRATE
2750*775*1250 mm



SLIMBETON®

PALLET
1350*600*1250 mm

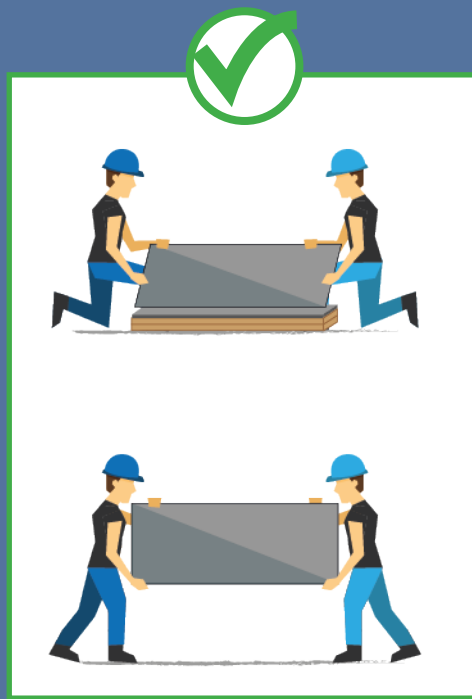
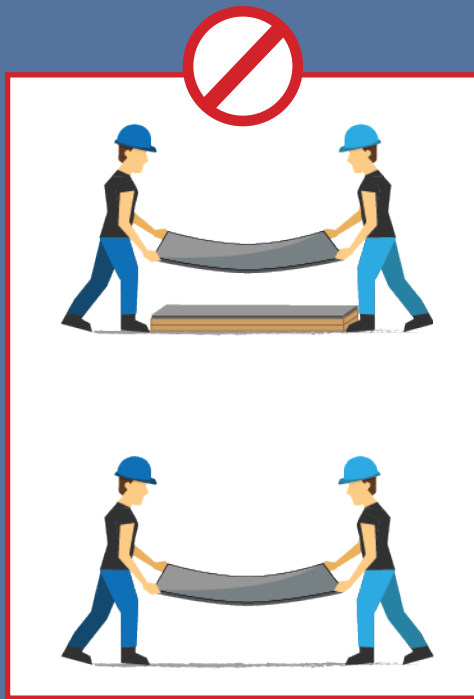


CRATE
1350*600*1250 mm



HANDLING THE PANELS

- The panels must be handled **vertically by their edges**
- Be careful **not to bend the panels**
- Warning: the **angles and edges of the panels are fragile.**



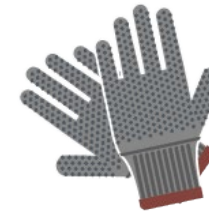
SLIMBETON® : one person can transport a panel.
However, for safety reasons, it is recommended that two people carry it.

PANBETON®

- Panels shorter than 2700 mm must be carried **by 2 people**.
- Panels longer than 2700 mm must have a **third person** to support the centre of the panel.

NECESSARY MATERIAL

2



PROTECTIVE GLOVES



SAFETY HEADPHONES



PROTECTIVE GOGGLES



DUST MASK

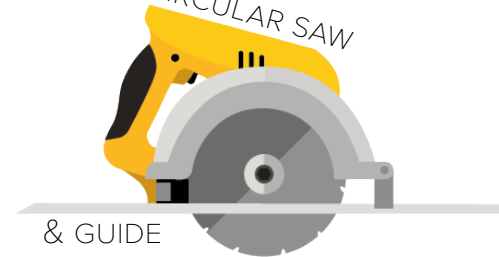
HAND BRUSH



MALLET

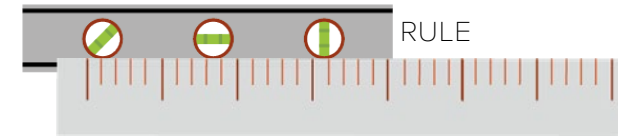


CIRCULAR SAW

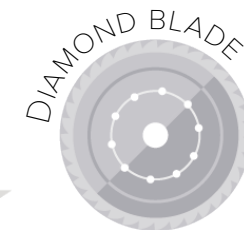


& GUIDE RAIL

LEVEL



RULE



DIAMOND BLADE

REDUCER RING*



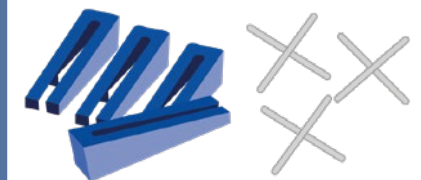
*Available in the cutting kit as an option

GLUE GUN



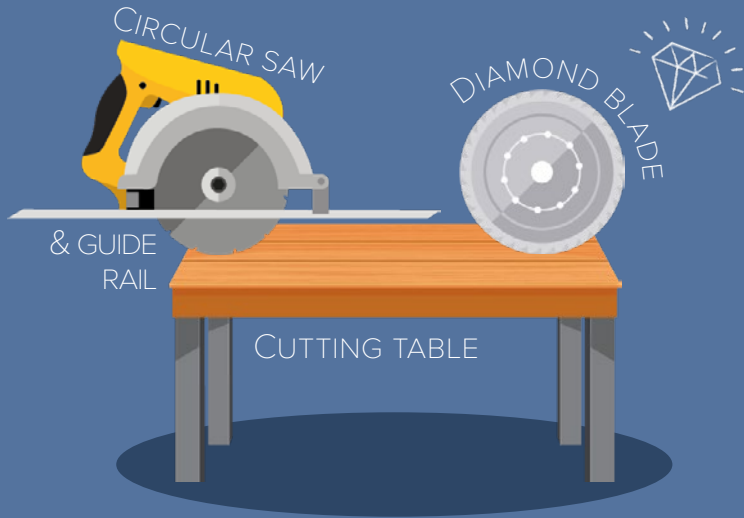
ADHESIVE CARTRIDGE
HYBRIFIX 550 DEN
BRAVEN SEALANTS
(recommended)

FOR **SLIMBETON®**



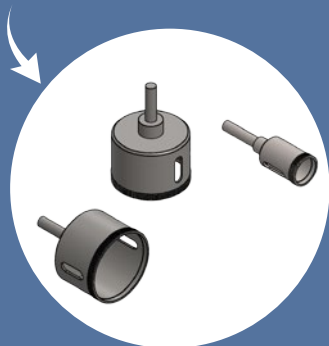
SPACERS FOR LEVELLING SYSTEM
& CROSSPIECES FOR SETTING
WITH JOINTS

CUTTING



For a clean, smooth cut, we recommend::

- ➔ A cutting table: the panel must be placed on it with **concrete side facing up**.
- ➔ A plunge-cut saw with a **continuous-rim diamond blade**, (Do not use a wood blade)
- ➔ A **dry cut**.
- ➔ A **guide rail**.
- ➔ **Drilling** (ex. electrical outlet): use a **diamond-coated hole saw**.



INSTALLATION



ADHESIVE CARTRIDGE
HYBRIFIX 550 DEN
BRAVEN SEALANTS
(RECOMMENDED)

- ➔ The adhesive can be applied directly **on the panel or on the wall**.
- ➔ The walls that hold the panels must be **clean, dry, dust-free and solid**.

For panel installation on a surface other than Placoplatre®, please consult with us.

- ➔ **Recommended adhesive**: Hybrifix 550 Den Braven Sealants, single-component polyurethane type.

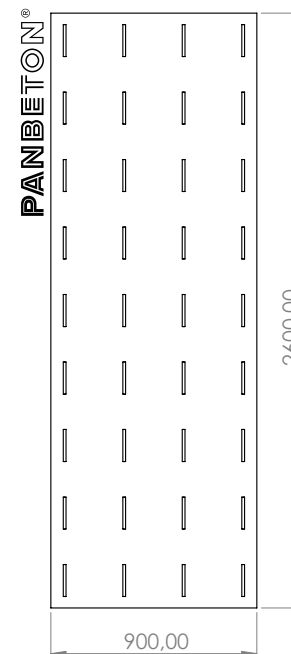
For more information, refer to the adhesive's technical and safety sheets, which are available upon request through the manufacturer or company Concrete LCDA.

- ➔ **Amount of adhesive per panel**: :

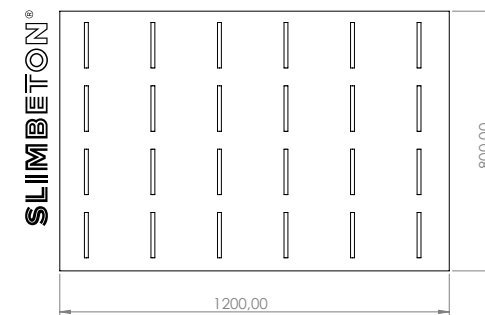
PANBETON® ≈ 2 adhesive cartridges per standard-size panel (2600*900 mm).

SLIMBETON® ≈ 1 adhesive cartridge per standard-size panel (1200*800 mm).

DIAGRAMS ARE ILLUSTRATIVE FOR ADHESIVE APPLICATION:



Apply the adhesive in vertical lines spaced apart by 10 cm.



CORRECTLY POSITIONING THE PANEL

➔ After applying the adhesive on the back of the panel or directly on the wall, **quickly place the panel on the wall starting with the bottom edge**. Some panels can have a slight curve to them (showing an arrow), which will be corrected through installation: the panels are flexible, so **starting at the bottom and using a ruler will ensure that they are flat**.

➔ **It is possible to adjust the panel's position for a few minutes after it is installed**: attach the panel while keep a minimum distance of 1 to 2 mm between the wall and the panel. **Adjust the panel by pressing first on its edges then evenly** and successively on the entire surface of the panel to compress the adhesive.

The lines of adhesive compensate for the differences in thickness of the panels through their general tolerance of +/- 3 mm. So it is important to keep some leeway during the installation of the first panels to guarantee their alignment.

➔ Use a level **to manage the panels' alignment**.

➔ Following the initial adherence, **it is not required to continuously hold onto the object being glued**.

⚠ General tolerance of the panels: +/- 3 mm.

JOINTS

➔ **PANBETON®** : Butt-joint installation is recommended.

➔ **SLIMBETON®** : A recessed joint of 2 mm between each panel with the use of cross pieces is recommended .

➔ It is possible to reduce the visible dividing lines between the panels: using Mapei® silicon joints is recommended.



DRYING TIME= 24 HRS

(For Slimbeton®, do not remove the cross pieces before 24 hrs)



- REMINDER -

- The panels must **be handled vertically by their edges**
- Be careful **not to bend the panels**
- Warning: the **angles and edges of the panels are fragile**.

INSTALLATION

5

1



CLEAN THE AREA BEFORE THE
INSTALLATION

2



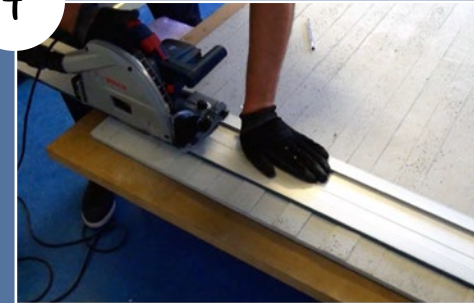
TAKE MEASUREMENTS BEFORE
CUTTING THE PANEL

3



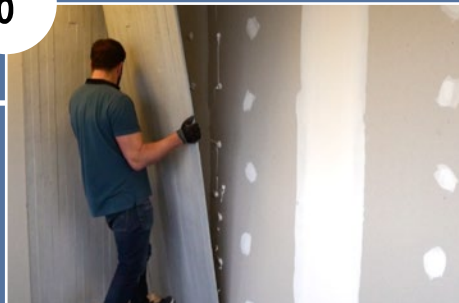
COPY YOUR MEASUREMENTS
ON THE PANEL

4



CUTTING WITH THE USE OF A
GUIDE RAIL

6



PLACE THE PANEL STARTING
WITH THE BOTTOM

5



APPLY GLUE ON THE WALL
(OR ON THE PANEL)

PANBETON®

SLIMBETON®

6



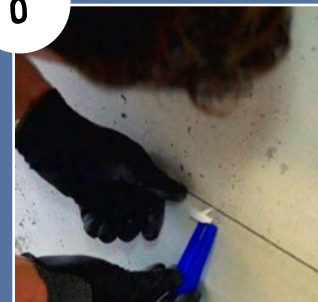
PLACE THE PANEL STARTING
WITH THE BOTTOM

7



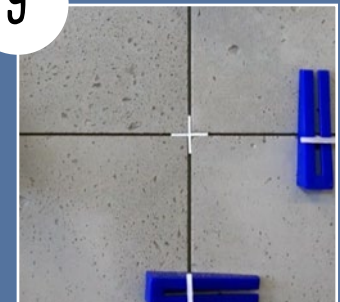
POSITION THE WEDGES
AT REGULAR SPACES

8



THEN THE BLUE WEDGES

9



AND THE CROSS PIECES

INSTALLATION VIDEO STEP BY STEP TO WATCH
ON OUR YOUTUBE CHANEL @CONCRETE LCDA

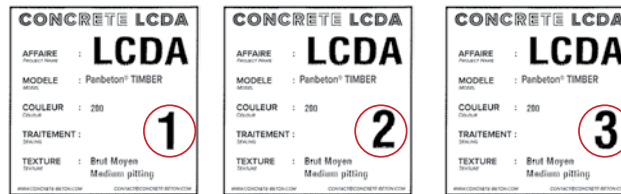


> [PANBETON®](#)
> [SLIMBETON®](#)

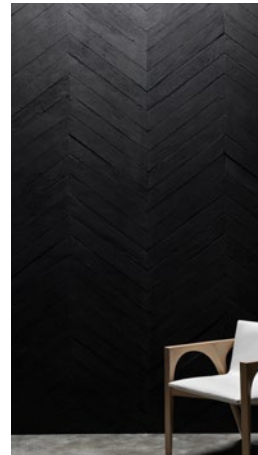
INSTALLATION SPECIFICS, ONLY FOR PANBETON® TIMBER // PANBETON® CHEVRONS MODELS

Panbeton® Timber and Panbeton® Chevrons are 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 :



Panbeton® Timber

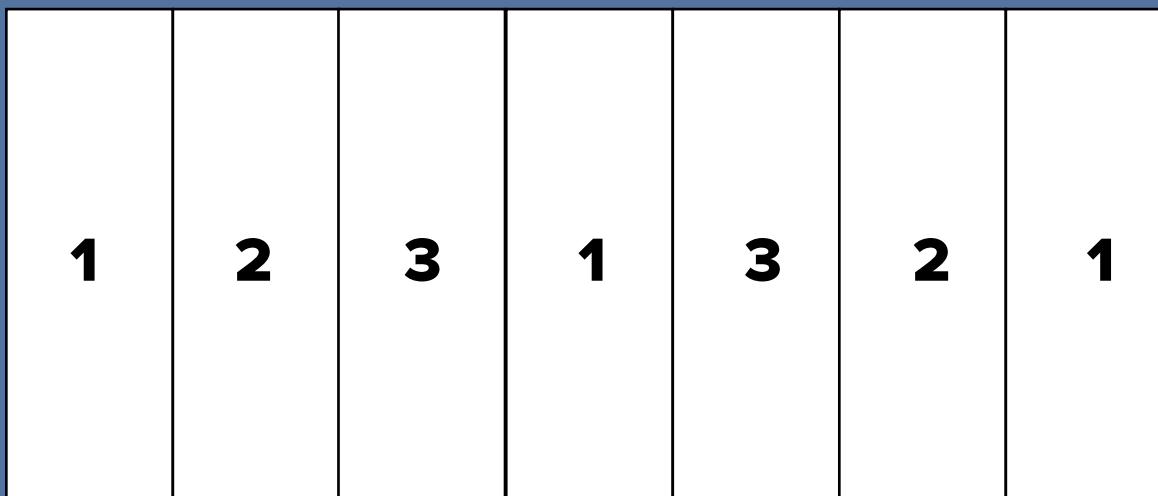


Panbeton® Chevrons

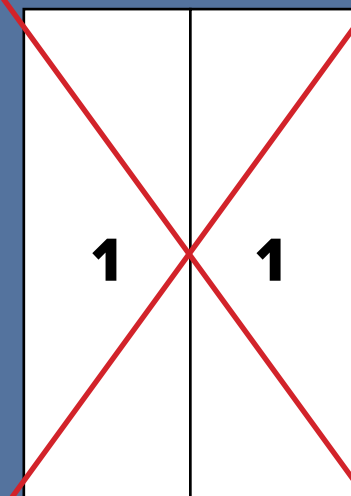
When installing the panels, consider alternating the different designs, making sure not to put two of the same designs together. You can arrange the designs as follows: 1-2 or 2-1 , 1-3 or 3-1, 2-3 or 3-2, in order to achieve the best visual effect.



Example of layout:



DO NOT put two of the same designs together:



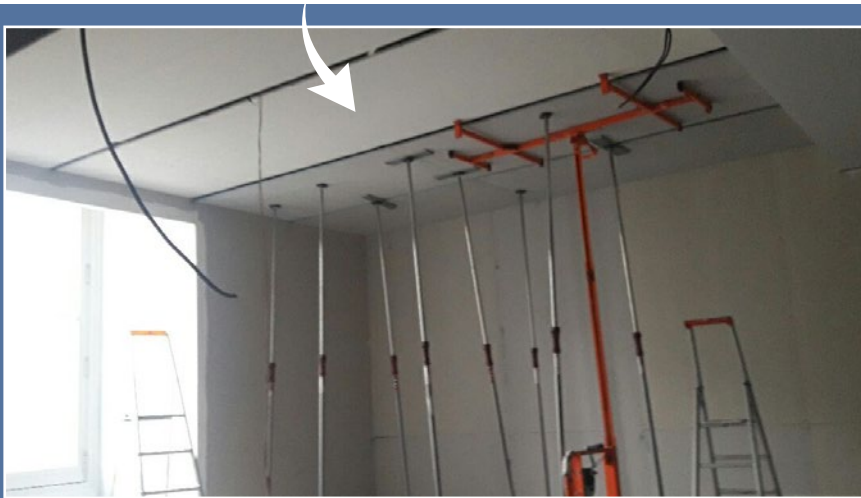
CEILING INSTALLATION

7

It is possible to install Panbeton® Slimbeton® panels on the ceiling.

INSTRUCTIONS

- Ensure that the ceiling material can hold the panels
- Gluing: same guidelines as vertical installation
- **Each panel must be held for a minimum of 24 hours using props. Use spacers to protect the panels** (see the photo below).

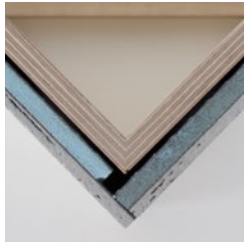


PANBETON®

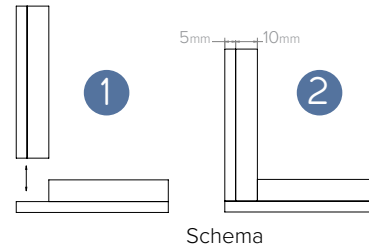
1 - Edge cut



Front view

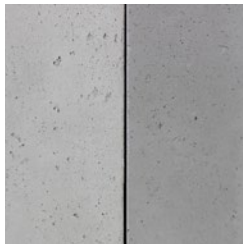


Top view

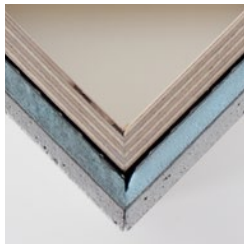


Schema

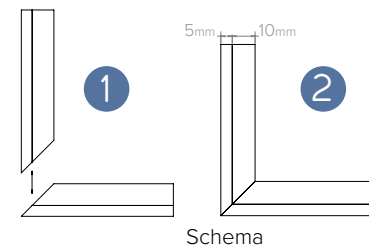
2 - 45 degree cut *



Front view

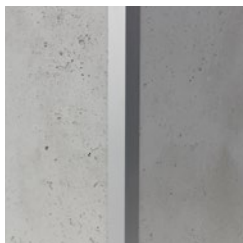


Top view

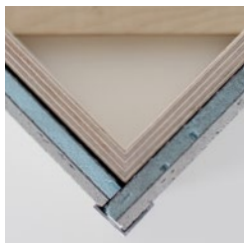


Schema

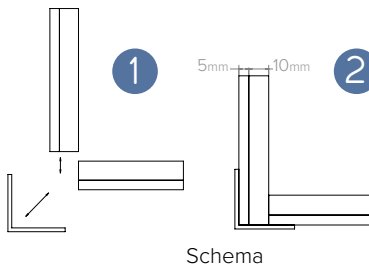
3 - Aluminium angle



Front view

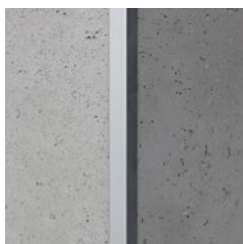


Top view

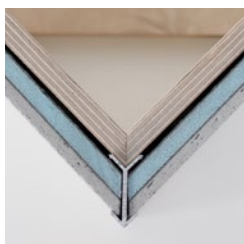


Schema

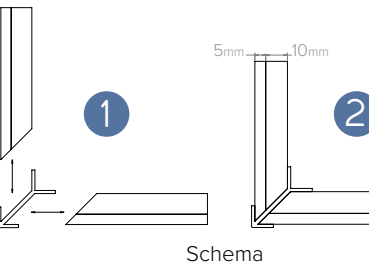
4 - Aluminium corner connector*



Front view



Top view



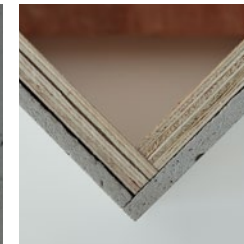
Schema

SLIMBETON®

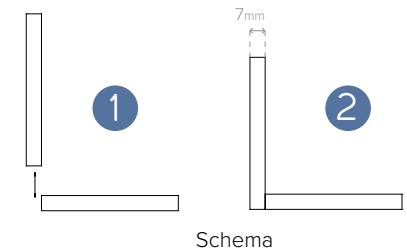
1 - Edge cut



Front view

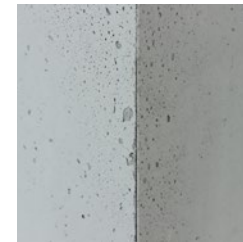


Top view

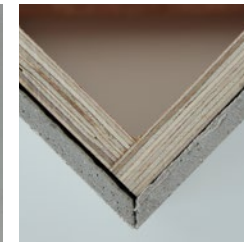


Schema

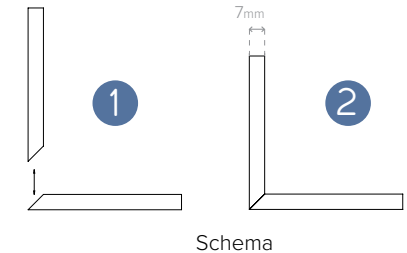
2 - 45 degree cut*



Front view



Top view

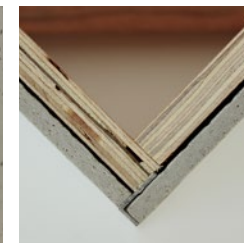


Schema

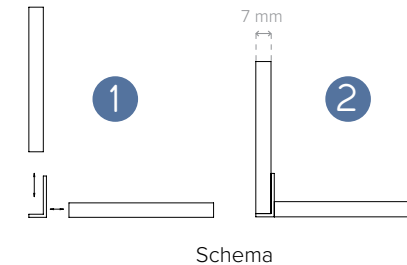
3 - Adding an aluminium angle**



Front view



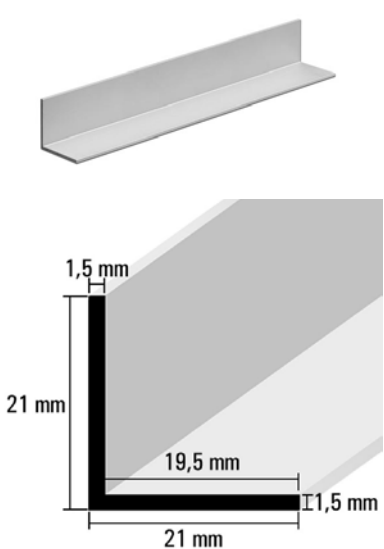
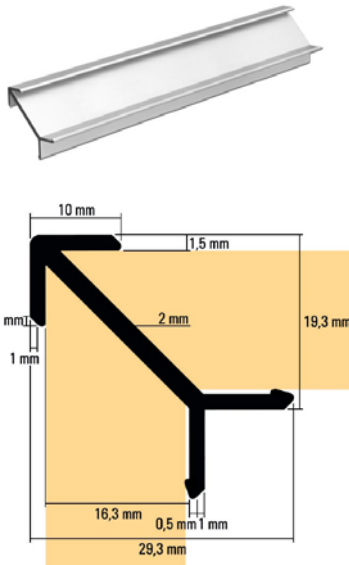
Top view



Schema

* 45 degree cuts can be done at the Concrete LCDA Workshop (option upon request).

** Example of aluminium angle for Slimbeton® : this type of angle is not offered for sale by Concrete LCDA

CARACTERISTICS	ALUMINIUM ANGLE	ALUMINIUM CORNER CONNECTOR
Application	☒ PANBETON® ☒ SLIMBETON®	☒ PANBETON® Up to 16mm thickness
Lenght	5000 mm	
Anodising	E6 / EV1	
Material and appearance	Aluminium, anodised, mat silver colour	
Illustration & diagram		

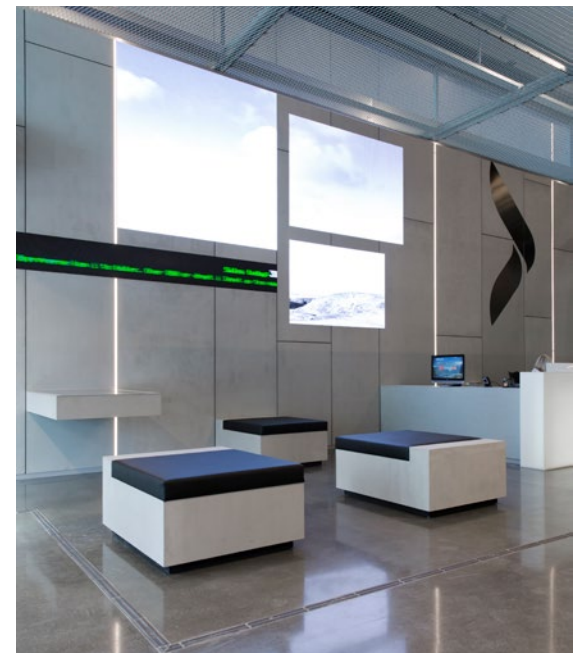
TO CLEAN YOU PANBETON® AND SLIMBETON® PANELS,
ALL YOU NEED IS **A DAMP CLOTH.**



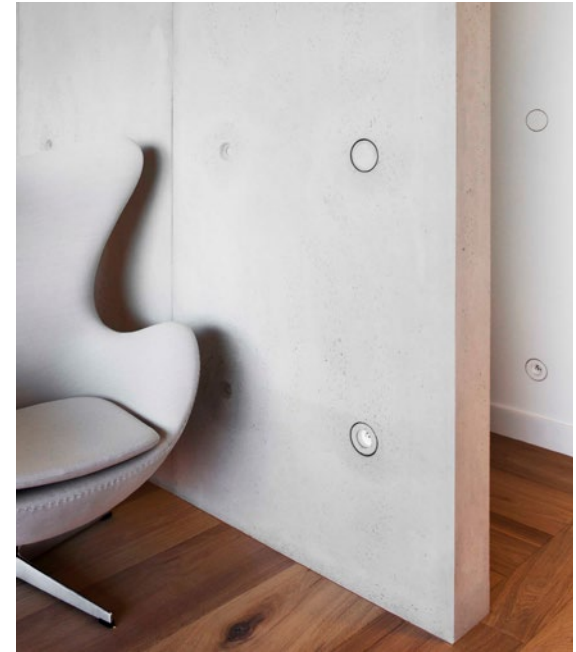
ABRASIVE LIQUID OR
POWDER CLEANERS
SHOULD NOT BE USED.



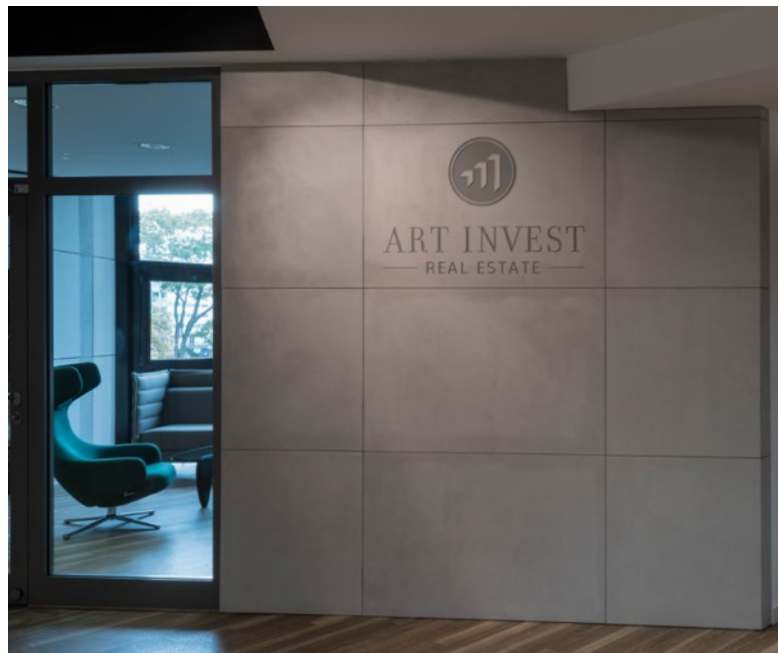
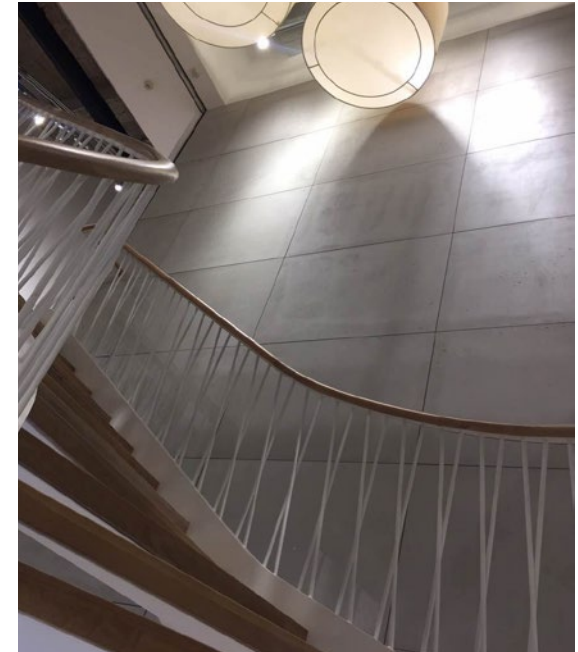
INSTALLATION EXAMPLES **PANBETON®**



INSTALLATION EXAMPLES **PANBETON®** (NEXT)

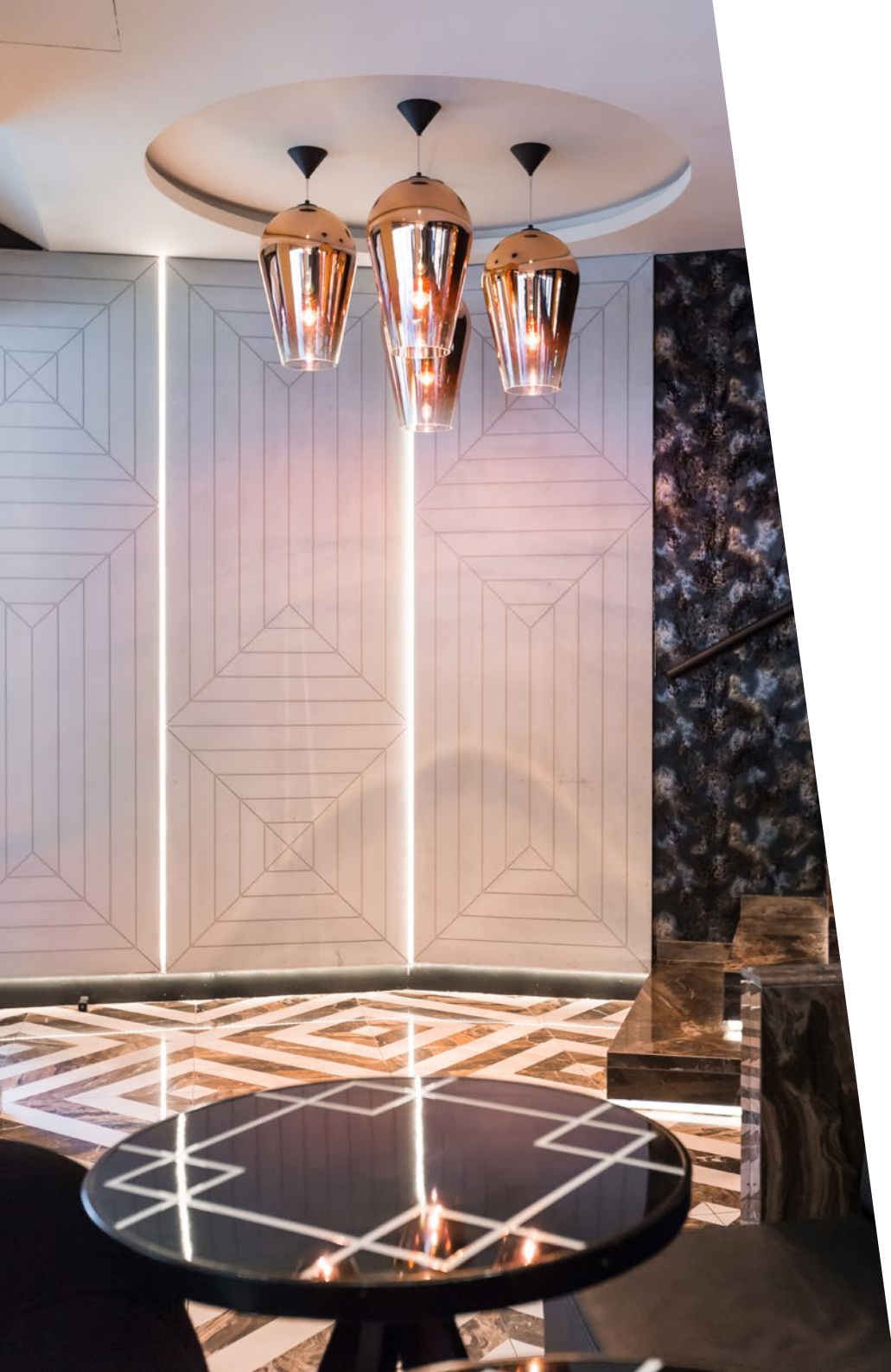


INSTALLATION EXAMPLES SLIMBETON®



INSTALLATION EXAMPLES SLIMBETON® (NEXT)





CONCRETE LCDA

Innovative solutions in concrete for interior design

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