

Cabonyx Installation Manual

















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Deck-Nyx and Plan-Nyx Installation

Flooring Products

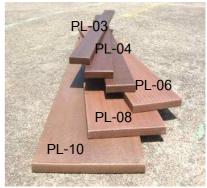
Deck-Nyx

- DE-03 size 3.5 cm. x 7 cm.
- DE-04 size 3.5 cm. x 10.2 cm.
- DE-06 size 3.8 cm. x 14.4 cm.

Plan-Nyx

- PL-03 size 2 cm. x 7 cm.
- PL-04 size 2 cm. x 9 cm.
- PL-06 size 2 cm. x 15 cm.
- PL-08 size 2 cm. x 20 cm.
- PL-10 size 2 cm. x 25 cm.





Accessories



Name Stainless screw #6 or #8 (Length depend on the joists size)

Detail To fasten top pieces with joists



Name Biscuit Joiner

Detail For fasten the floor without seeing the screw and leave

the gap equally



Name Pin

Detail To hide the screw head



Name Hot glue

Detail For closing the end cover and temporary hold



Name End Cover

Detail For closing the end of the Cabonyx

Installation Tools



Name Electronic Drill

Detail For drilling and enlarge the hole



Name Sawing Machine

Detail For cutting the profile



Name Plate Joiner (DeWALT DW682 www.dewalt.com)

Detail For bevelling the profile to insert the biscuit joiner



Name Sandpaper

Detail For sanding the profile before painting

Preparing Sub-structure

There are two types of Sub-structure

- 1. Flooring on the concrete floor
- 2. Flooring on beams or joists

1. Flooring on concrete floor

- Joists can be
- 1. Cabonyx profile
- 2. Real Wood (hard-wood)
- 3. Steel (galvanised)

size of the joists depends on the height

- The distance between joists depends on the top pieces width and thickness. (see the table for distance and loading allowances)





- Use perpendicular stainless pieces (or other materials) to set the square. (for levelling)
- After install and level the joists, apply cement or wood to seal the gap between

concrete floor and joists.



Distance and loading allowances

Product	Code	Side	Lo	Standard	
rioduct	(Height x Width) Distance Loading allowances		Length		
Deck-Nyx	DE-03	3.5 cm. x 7cm.	40 cm.	300 kg./sqm.	
	DE-04	3.5 cm. x 10.2 cm.	40 Cm.	300 kg./sqm.	
	DE-06	3.8 cm. x 14.4 cm.	50 cm.	350 kg./sqm.	
Plan-Nyx	PL-03	2 cm. x 7cm.			3 m. or other
	PL-04	2 cm. x 9 cm.			to apply
	PL-06	2 cm. x 15 cm.	30 cm.	250 kg./sqm.	
	PL-08	2 cm. x 20 cm.			
	PL-10	2 cm. x 25 cm.			

2. Flooring on beams or joists

- Material for beams or joists
- 1. Cabonyx

DE-04 distance not over 0.7 m.

DE-06 distance not over 1.2 m.

- 2. Wood (hard-wood) not bending
- 3. Steel (Galvanised)
- The distance between joists depends on the top pieces width and thickness.

(see the table for distance and loading allowances)



Cabonyx Installation: 2 methods

1. Fasten by using screws

1. Leave the gap between the wall and profile about 0.5 cm.



2. Screw both end of the profile, not more then 1 inch from each end (screw 2 points as in picture), make sure to screw near the profile bone.



3. Screw the next profile on the joists, screw 2 points every position.



Remarks

1. Drill a hole, Taper the hole and fasten the screw.







2. To hide the screw on the profile, drill the top and screw the lower tightly.

(see the finishing by using pin)





2. Fasten by using biscuit joiers

Hidden fastener that leave the equal gap at 0.5 cm. and only 2" bevel line



Bevelling tools for inserting Biscuit Joiner

Plate Joiner





Blade



1. Bevel the side of the profile by using Plate Jointer (or blade). The first and last bevel line should leave about 1½" from the end to the middle of bevel line, the next one on the joists. The first and last pieces bevel only 1 side.



1st bevel point



Insert the biscuit joiner

2. The first and last Cabonyx profile should be fasten by using screw (2" screw) make it skew a little on the un-bevel side.



3. the bevel side, insert Biscuit Joiner as tight as possible to the profile then screw (2" screw) skew from Biscuit Joiner to the profile.



4. Fasten the next profile on the joists.





The gap width (from top view)

Connecting method

1. To connect profile end-to-end, one more joist should be added. Leave the gap about 0.5 cm. Apply Acrylic Sealant when needed.



Add one more joist

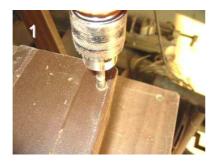


Leave the gap 0.5 cm.

2. Do not share the biscuit joiner at the connecting part.



Putty finish with pin





screw until reach the lower part of the profile.





Insert the pin, then cut it (level with surface).







Apply hot glue and finish by sanding.

Seal the end

There are 2 methods:

- 1. Cut some parts of the profile.
- 2. Using End Cover according to its size.

How to seal

- 1. Applying hot glue around the edge of the profile.
- 2. Insert End Cover and apply hot glue again.







Painting Instruction

- 1. Cleaning surface coating by sandpaper No. # 3.
- 2. Please follow the company painting manual.





Cautions

- 1. Using only stainless screw, Do not Hammering.
- 2. Pre-drill and enlarge before screwing, if not the plank can be broken.
- 3. For concrete framing, leave the space between the plank and the frame at least 0.5 cm. (prevent concrete expansion) Using floor trim to cover.



- 4. Screw both end of every profiles, about 1"- 11/2" from the end.
- 5. For plank that has been sanding must apply paint or deck stain right after the installation, to prevent water leakage.
- 6. Do not share the joist or beam when there is end-to-end connection.

Moving and Storing

- 1. The storing area should be flat not sloping.
- 2. Store the profiles side-up only. Keep it shade, if store outdoor, canvas is needed to prevent fading. If there is supporting beam, the distance should be 50 cm.

Cele-Nyx Installation

Installing Cele-Nyx - CE-02

1.Cabonyx or wood supporting beam

Tools











Air Gun

Nail

Edging

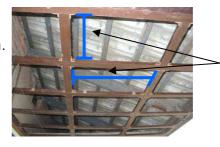
Electric drill

Stainless screw

4 x 3/4", # 6 x 1"

Installation

1. Prepare supporting beam 30 cm. width.



Supporting beam 30 cm.

- 2. Install Cele-nyx leave the gap from the side about 1 cm. for installing the edging.
- 3. Using air-gun nailing Cele-nyx with supporting beam. Leave about 2.5 cm. from the end and 1 cm. from the side and nail. Next nail along the supporting beam.





- 4. Leave about 1 cm. for venting. Mosquito net should be install inside to prevent insect.
- 5. Install edging with stainless screw # 4 x 3/4" or # 6 x 1". (screw every 30 cm.)
- 6. Cover the hold with silicon or acrylic.
- 7. Using wood stain or acrylic paint for aesthetic look.





2.Metal or C-line supporting beam

Tools







Stainless screw # 6 x 1"



Edging

Installation

Same as Cabonyx or wood supporting beam installation, change from air gun to electric drill.

Using stainless screw # 6 x 1" holding Cele-nyx with support beam. Leave 2.5 cm. from the end and 1 cm. from the side, next screw along the supporting beam.

Installing Cele-nyx - CE-03L

(Cabonyx, wood, metal or C-line supporting beam)

Tools



Electric drill



Stainless screw

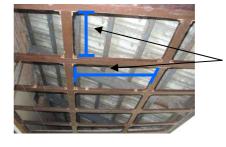


Edging

#4 x 3/4"

Installation

1. Prepare supporting beam 30 cm. width



Supporting beam 30 cm.

- 2. Install Cele-nyx leave the gap from the side about 1 cm. for installing the edging.
- 3. First, using stainless screw # $4 \times \frac{3}{4}$ " holding Cele-nyx with supporting beam. Leave 2.5 cm. from the end then screw along the supporting beam.
- 4. Screw the side of Cele-nyx with stainless screw bolting with supporting beam.

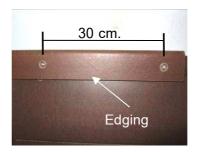
(pre-drill first)





5. Putting Cele-nyx (2nd) in the same level, putting over the screw head of the first piece.

- 6. Using stainless screw holding the next one until the last (follow 4 and 5).
- 7. Install edging with stainless screw # 4 x 3/4" or # 6 x 1" (screw every 30 cm.).





- 8. Cover the hold with silicon or acrylic.
- 9. Using wood stain or acrylic paint for aesthetic look.

Connecting

1. CE-03L should have support at the connecting point (for stability).



Support at the connecting point

2. Add more beam at the connecting point incase the connecting point is not on supporting beam.

Cautions

- 1. To line the Cele-nyx should leave about 1 cm. from every sides.
- 2. Pre-drill is needed before screw Cele-nyx.
- 3. To screw on CE-03L, should leave 2.5 cm. from the end and only in the groove line.



4. Screwing CE-02, pre-drill is needed. Taper the hole for the screw to sink in the piece. Leave 2.5 cm. from the end and 1 cm. from the side.





Door Frame Assembly 6-LASZ

Door Frame Assembly

Accessories











1 Top Piece

2 Side Pieces

2 Metal Bars

14 Screws Size 6 x 5/8"

4 Screw Ring 7 mm.

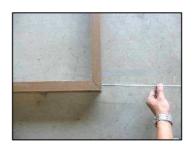
Installation

1. Screw all $6 \times 5/8$ " at the top of the door frame 8 positions. (pic.1) Leave the head of the screw out to help support with apply cement.



2. Put the top piece and the side pieces of the door frame at the right angle (perpendicular), then screw at the pre-drill hole.





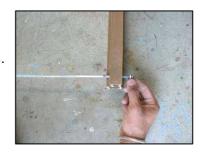
3. Fastening both sides by inserting the metal bar to the hole on both sides of the frame,







4. Tighten the frame by using the screw ring on both sides.



Door frame Installation

1. Installation to the wall (Dry)

1. Leave the Gap on the wall as follow.

Door frame size (cm.)	80X200	90X200	100X200
Gap on the wall (cm.)	86X210	96X210	106X210



2. Check the width of the door frame (door side). Leave the gap between door and door frame about 5-6 mm.

Door size (cm.)	80	90	100
Gap between door & door frame (cm.)	80.5	90.5	100.5

3. Put the door frame in the wall by using the cleat, screw in then tie the sling to hold.

Using the plumb line to level the door frame. Before apply the cement, wood supporting is needed to help support the door frame.



- 4. Apply the cement into the gap between wall and door frame, Even the surface around the door frame.
- 5. Using wet towel to clean the door frame.
- 6. Wait until cement become solid then install the door.



2. Installation to the wall (wet)

- 1. Using wood size 1.5" X 3" to support the door frame, put them above the ground at least 1 m. on both sides.
- 2. Using the plumb line to level the door frame.
- 3. Using wood or steel to support upper-middle and lower part of the frame.



4. There should be metal wire in the overhead beam before lay bricks, apply the cement to prevent overload.



Hinge Installation

- 1. Bevel at the mark on the door and door frame.
- 2. Pre-drill through the cement (using drill 3 mm.) Then using screw $8" \times 1 \times 1/4"$ to hold the hinge.

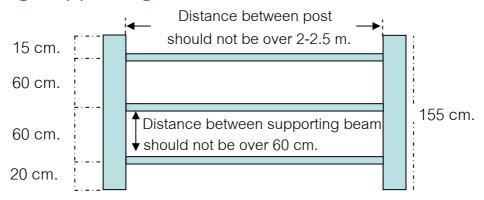






Cabonyx Fence Installation

Preparing supporting beam

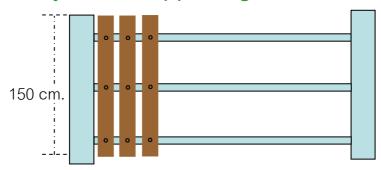


Supporting beam

Distance between supporting beam should not be over 60 cm. Choose one of the followings.

- Cabonyx plus size 3.5 cm. x 7 cm. (metal support) length 2, 2.5 m.
- Hard Wood size 1 1/2" x 3".
- Metal box beam size 2" x 4" thickness 2.3 mm. with anti-rusting.

Bolting Cabonyx with supporting beam



- · Bolting cabonyx according to table.
- Bolting Cabonyx with supporting beam with stainless screw (1 1/2") predrill in the middle first.

Number of Cabonyx per length

Distance between post (cm.)	100	150	200	250
Number	8	12	16	20
Distance between piece (cm.)	≈ 3	≈ 3.5	≈ 3.5	≈ 3.5

• Sanding Cabonyx and painting to finish.

Seal the end

There are 2 methods:

- 1. Cut some parts of the profile.
- 2. Using End Cover according to its size.

How to seal

- 1. Applying hot glue around the edge of the profile.
- 2. Insert End Cover and apply hot glue again.







Finishing processes

- 1. Drill a hole.
- 2. Taper the hole and fasten the screw.
- 3. Fill the hole with putty.
- 4. Sand till smooth.
- 5. Paint







3





Recommendation

Cabonyx fence can be use with wood, metal and stainless steel. The distance between supporting beam should not be over 60 cm. (vertical & horizontal)



Cautions

- 1. Pre-drill with bit size 3.5 mm. using screw # 8 with Cabonyx plus supporting beam.
- 2. Do not use nail with Cabonyx.