




PORTLAND PILLAR & CAP Collection

ORSOL
ÉMOTIONS MINÉRALES

HUES



Natural** 

* Non-contractual hues
** Chromatic variations (see overleaf)

CHARACTERISTICS

- Néominéral stone pillars
- Modular pillar heights (Possibility of 1 additional pilaster as part of a pillar kit)
- Through-coloured
- Frost-resistant
- Collection of associated wall caps
- Pillars can be used as framing support decoration but are not load-bearing structural elements.
- Maximum recommended portal height: 10 to 20 cm below the top of the last pilaster (for the part of the portal adjoining the pillar)

PRODUCTS



PORTLAND pillar
H. 168 x L. 37 cm
(finished pillar for 5 pilasters+ 1 cap)



PORTLAND pilaster element
L. 37 x l. 37 x H. 33 cm



PORTLAND pillar cap
L. 47 x l. 47 x H. 3 cm



Chapeau de mur PORTLAND
L. 60 x l. 35 x H. 3 cm



INSTALLATION OF PILLARS

INSTALLATION OF THE PRODUCTS IMPLIES ACCEPTANCE OF THEIR APPEARANCE

BEFORE INSTALLATION:

- Check the conformity of the products
- Dig a foundation for each pillar about 50 cm deep and 10-15 cm wider than the width of the pillar. Make the foundation frost-free by adapting its depth to the nature of the terrain and the climate of the region.
- Connect the foundations of the 2 pillars means of a footing (tie beam) sufficiently sized according to the type of passage. For a standard vehicle passageway, create a footing 30 cm wide and 40 cm high.
- Position 10 mm twisted iron bars in the foundation. The twisted iron bars must have a height equal to the height of the foundation + height of the pillar excluding the cap. Fill the foundation while checking the levels with concrete dosed at 250kg/m³ then let it dry for a minimum of 48 hours.
- Once the foundation is completely dry, check the levels.

INSTALLATION OF PILLARS:

- Never install and fill the pillar above a temperature of 30° or in direct sunlight, or below 5°C to avoid causing stress on the concrete filler and risks of cracking.
- Position the pilasters one by one on the foundation up to a height of 90 cm, placing the nesting flanges upwards. A joint of polyurethane mastic in cartridge can be placed on the inner contour of the pilaster to avoid any trace of laitance. Same for the underside of the caps.
- **Arrange the polyethylene foam film** (provided in the pillar kit) around the inner walls of the pillar from bottom to top. This film will prevent any micro-cracks.
- Prepare a low-liquid concrete mortar that will be used to fill the pillar.
Recommended dosage: 1 part cement to 2 parts sand and 4 parts gravel.
- Fill the pillar with concrete to a maximum height of 1 linear metre/ 24 hours.
- Tamp down the mixture lightly with a stick.
- Once the last pillar element is laid, finish filling with concrete and level the surface. The maximum filling level is flush with the last pilaster or flush with the underside of the cap (depending on the model)
- Check the proper alignment and level of the pillars using a cord
- The height of the pillars can be modulated by using more or fewer pilasters.
- When the filler concrete is dry, glue the pillar cap with thin-set mortar.

JOINTING: (facultatif)

- Make the vertical and horizontal joints with ORSOL Joint Mortar.

AFTER INSTALLATION :

- **Mandatory application** of ORSOL **water repellent** using a sprayer

TIPS FOR DRILLING AND FIXING THE PORTAL:

- Never use a percussion drill. Use a hole saw and concrete drill bits
- Drill the filling concrete. It alone is the structural element that will support the weight of the portal. The pilasters are only decorative elements, they do not contribute to the solidity of the structure. The plugs are to be fixed with chemical sealant.

INSTALLATION OF WALL CAPS

INSTALLATION OF THE PRODUCTS IMPLIES ACCEPTANCE OF THEIR APPEARANCE

BEFORE INSTALLATION:

- Check the conformity of the products
- Check that the wall receiving the caps is level. To do this, make a perfectly flat concrete base.
- Mix the caps.

INSTALLATION OF WALL CAPS:

- Apply adhesive to the products at a temperature between 5° and 30°C. Do not install in rainy weather or protect the site.
- To install, apply a double layer of adhesive to the substrate using a trowel and a U9 comb, starting at one end of the wall. Then apply adhesive to the backs of the caps by smearing (application of a thin layer of uniform glue with a trowel).
- Put on the caps in back-and-forth motion.
- Leave a 5 mm space between each cap.
- When cutting the stones, round the corners and avoid sharp edges by hammering them.

JOINTING: (optional)

- 24 hours after installation, apply jointing to the caps using the ORSOL joint mortar and a joint pouch.
- When the joint starts to pull, brush with a mild steel brush, digging into the joints a few millimetres.

AFTER INSTALLATION:

- **Mandatory application** of ORSOL **water repellent** using a sprayer

TO ORDER

	Reference	Dimensions (cm)		Packaging		Weight (kg)	
	Natural	Unit	Pallet	Unit	Pallet	Unit	Pallet
Typical pallet 2 PORTLAND pillars	PIP25PALTYPE2P	H. 168 x l. 37 (finished pillar)	120 x 80 x 100	-	2 complete pillars	-	420
PORTLAND pillar cap	CHP25	L. 47 x l. 47 x h. 3	120 x 120 x 65	1 unit	64 units	13.9	910
PORTLAND element	PIP25	L. 37 x l. 37 x h. 33	120 x 120 x 120	1 unit	27 units	37.2	1025
Pilaster interior protection kit	DOUFLINE2P120	2 sheets L. 210 x l. 120	-	1 unit	-	0.10	-
PORTLAND wall cap	CPOR5	L.60 x l. 35 x h. 3	125 x 85 x 70	1 unit	61 units	18.3	1136