

A GUIDE TO INSTALLING MOODUL WALLING



PAVESTONE

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TOOLS YOU WILL NEED

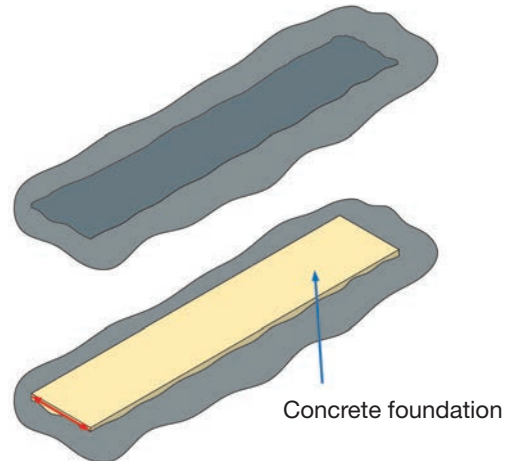
- Trowel
- Hammer
- Bolster
- String Line
- Spirit Level
- Shovel
- Gloves
- Wheelbarrow
- Wooden Battens and Clamps (or nails)
- Sealant Applicator Gun

MATERIALS NEEDED

- Type 1 MOT or General Sub Base (GSB) Stone
- All In Ballast
- Sharp Sand (Concreting Sand)
- Cement (OPC)
- Pavestone Walling & Cladding Adhesive or other suitable adhesive

Walls over 1m in height should be built on a concrete foundation. 50cm wide (allowing 10cm left and right) and to a depth of 80-100cm deep.

Walls up to 1m in height. The foundation should be 50cm wide (allowing 10 cm left and right) and to a depth of 80-100cm deep but can be filled with well compacted hardcore (MOT Type 1 or GSB material).



FOUNDATION

The depth of the foundation is dependent on certain aspects.

- The stability of the substrate (always dig down to a stable surface)
- The height of the wall
- Whether it is to be detached or an enclosed wall (enclosed can be anchored to the other walls)
- A straight wall or one with corners

TOPTIP
For easier installation use
NEW Pavestone Adhesive



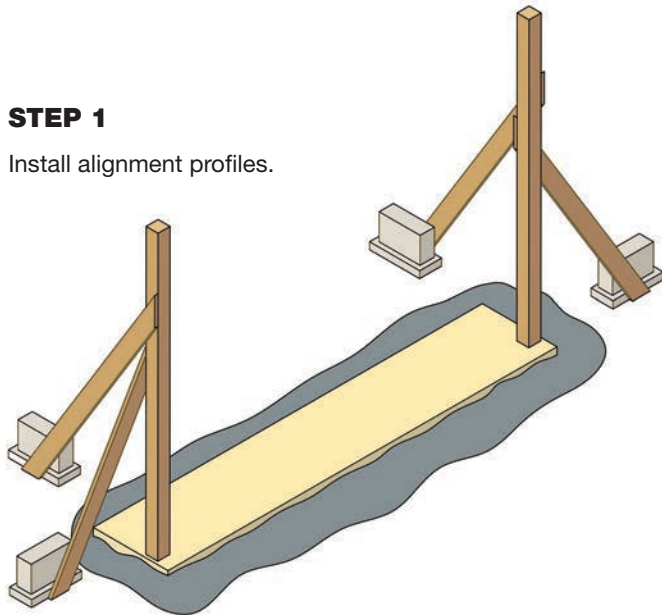
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INSTALLING MOODUL WALLING

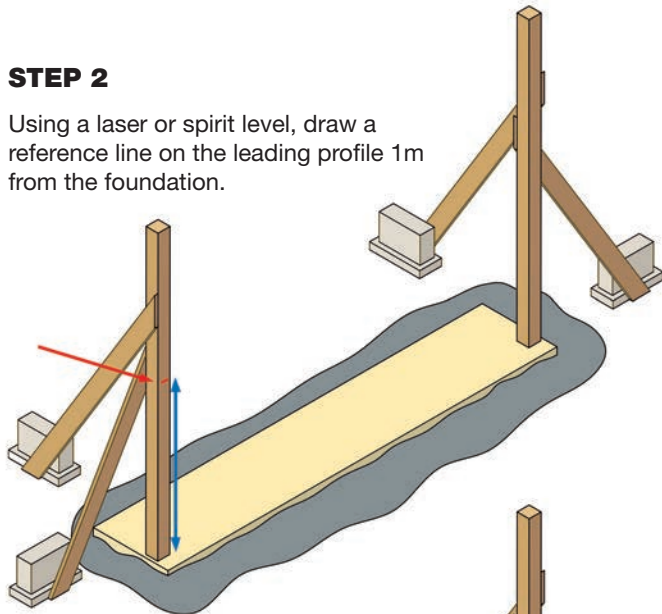
STEP 1

Install alignment profiles.

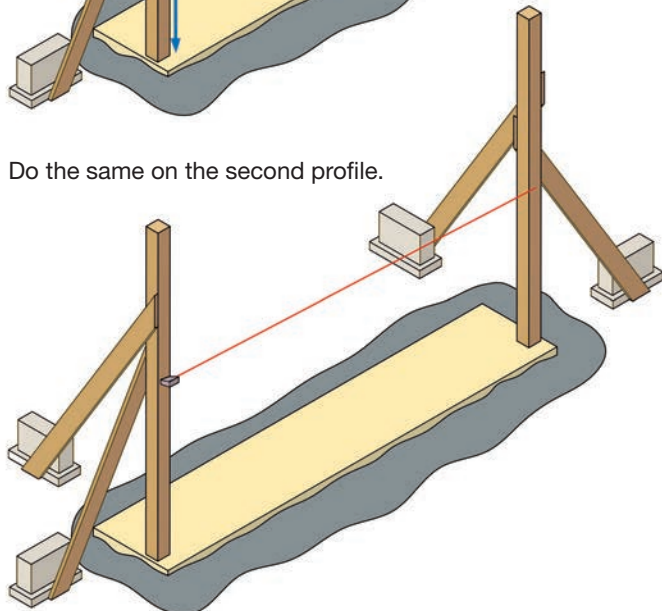


STEP 2

Using a laser or spirit level, draw a reference line on the leading profile 1m from the foundation.

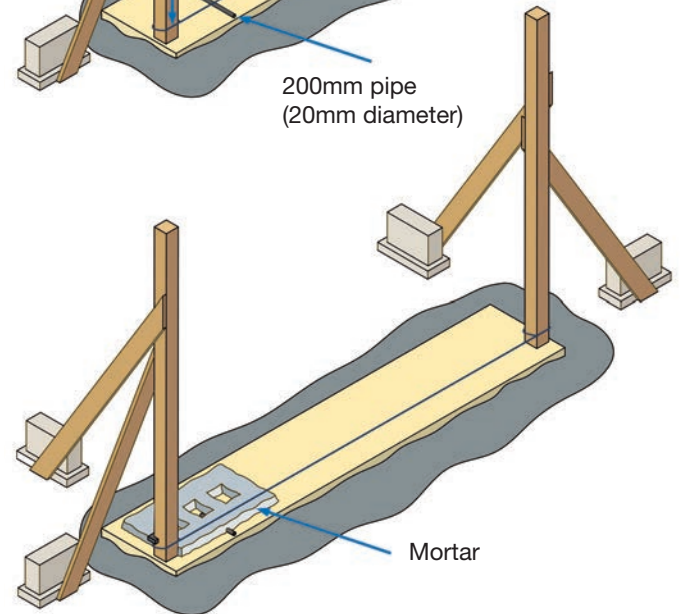
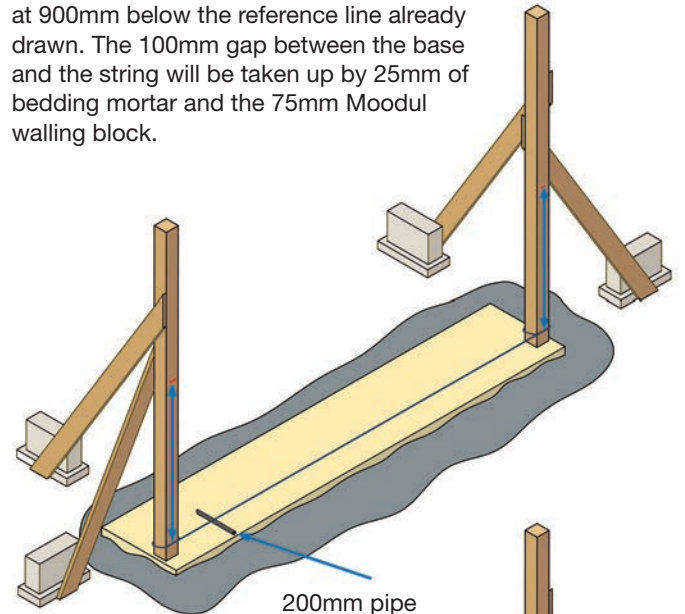


Do the same on the second profile.



STEP 3

Span a line as a guide for the first course at 900mm below the reference line already drawn. The 100mm gap between the base and the string will be taken up by 25mm of bedding mortar and the 75mm Moodul walling block.



Keep the line on the face top edge of the Moodul block (75mm), not on the inner side of the walling block (90mm).

Place a layer of mortar, 40-50mm thick, and then insert a 200mm long piece of pipe (20mm diameter) to drain water draining vertically down the middle of the walling. Repeat this for each Moodul block in the first course.

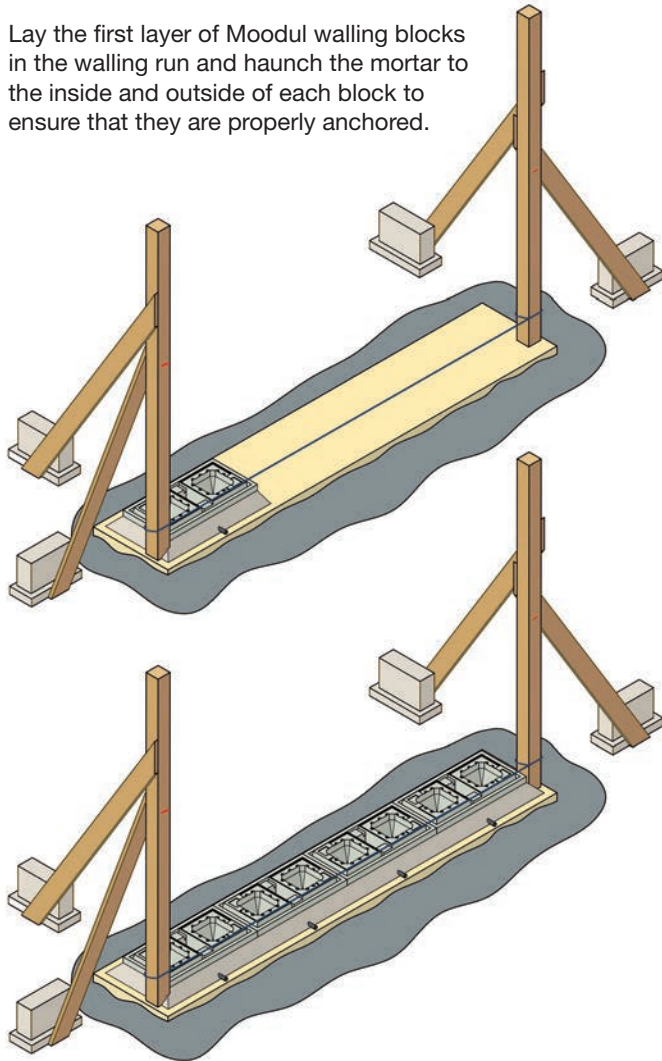
TOPTIP

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STEP 4

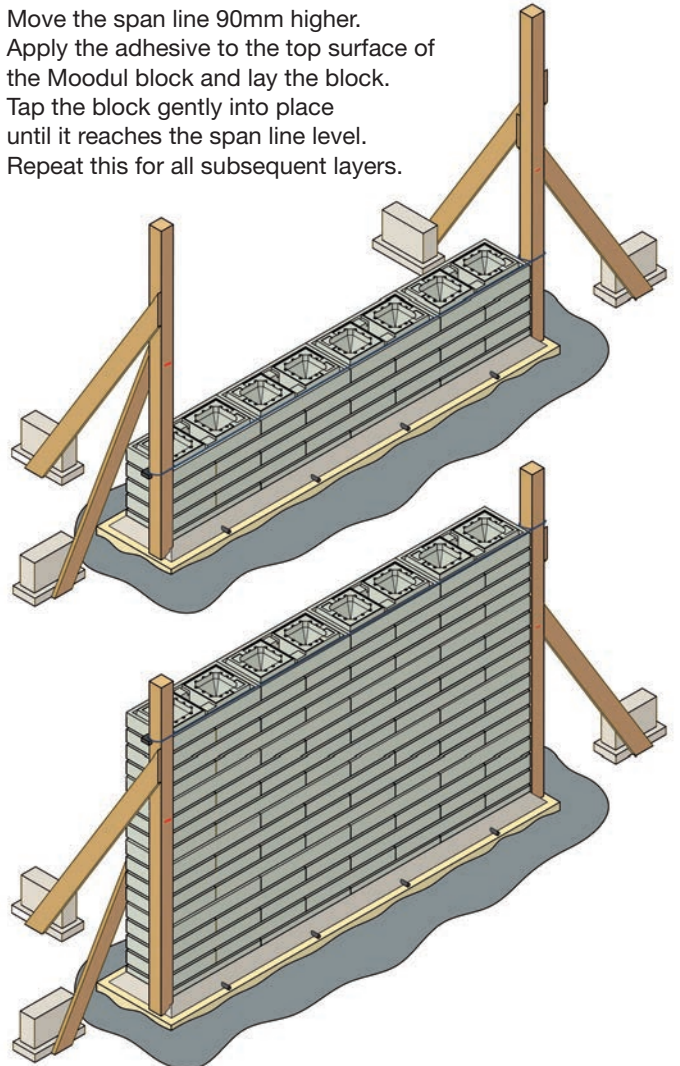
Lay the first layer of Moodul walling blocks in the walling run and haunch the mortar to the inside and outside of each block to ensure that they are properly anchored.



STEP 5

From the second layer upwards the blocks should be bonded using either a gunned block adhesive or Pavestone Walling and Cladding Adhesive.

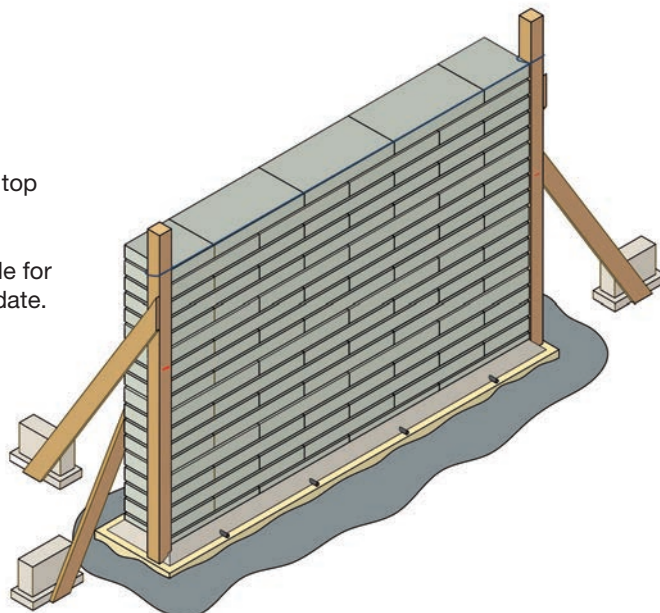
Move the span line 90mm higher. Apply the adhesive to the top surface of the Moodul block and lay the block. Tap the block gently into place until it reaches the span line level. Repeat this for all subsequent layers.



TO FINISH

Use Moodul Cover Stones for the top layer. We recommended not fixing permanently as this will allow free access for installing electrical cable for lighting or plug sockets at a later date. Remove the profiles.

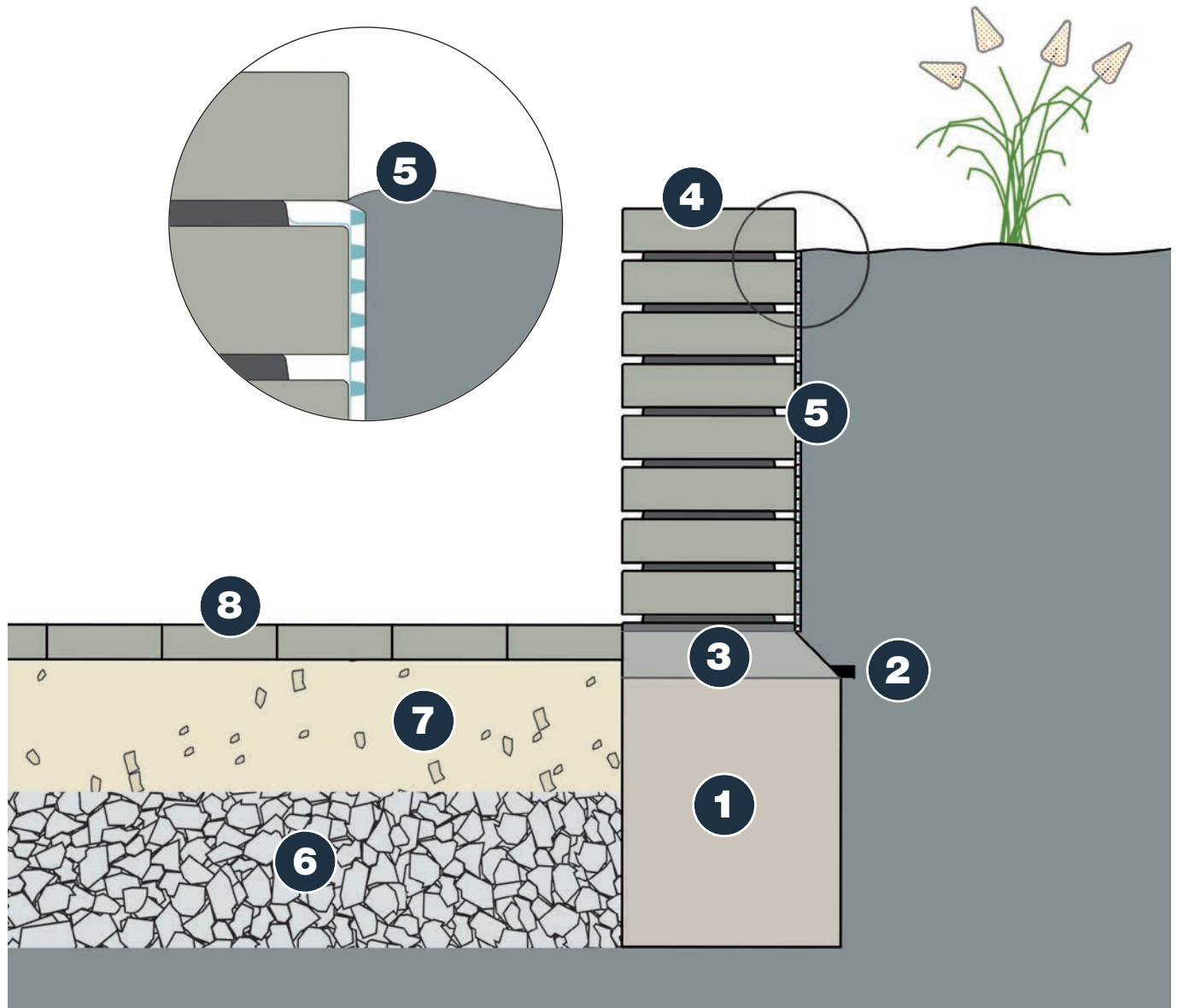
NOTE: Wait 28 days before mounting any heavy accessories on the wall.



the length and across the width, and that they are in a straight line (using the spanned line).



INSTALLING A RETAINING WALL



- 1** Foundation depth and width depend on the stability of the substrate and the height of the wall. Usually, a foundation that is 400-500mm wide and deep is sufficient.
- 2** To allow water discharge above the foundation, place pieces of pipe or electrical conduit in the mortar, as described in the section previously.
- 3** Lay the first layer below the level of the paving.
- 4** Using either a gunned block adhesive or Pavestone Walling and Cladding Adhesive, bond the Moodul blocks to each other.
- 5** Lay a drainage mat/membrane on the retaining side of the wall. This prevents the underlying material from washing into the joints of the Moodul. Glue the upper fleece layer under the top coping stone.

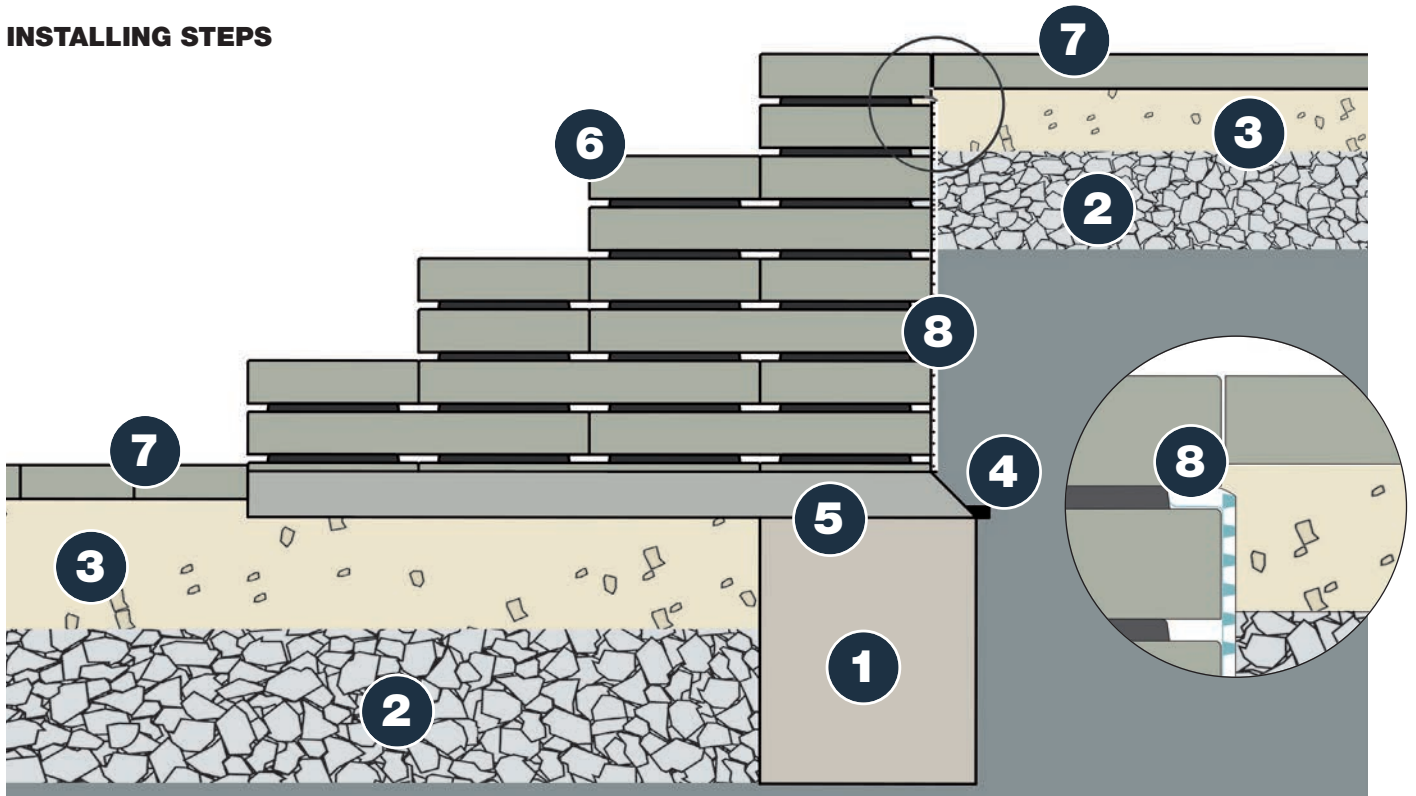
- 6** MOT Type 1 or General Sub Base compacted aggregate foundation can be used if the substrate is stable.
- 7** Dry mix concrete layer 100-200mm thick depending on load.
- 8** Paving.

NOTE: With a suitable foundation, you can build a retaining wall up to 800mm in height, as long as there is not an adjoining 'drive on' surface. Each wall section of 4.2m in length requires an integrated support element, i.e. steel rodding through the hollow of the wall infilled with concrete.

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A GUIDE TO INSTALLING MOODUL PAVING

INSTALLING STEPS



- 1** The foundation depth and width depend on the stability of the substrate and the height of the wall. Usually, a foundation that is 400 to 500mm wide and deep is sufficient.
- 2** MOT Type 1 or General Sub Base compacted aggregate foundation can be used if the substrate is stable.
- 3** Dry mix concrete layer 100 to 200mm thick depending on load.
- 4** To allow water discharge above the foundation, place pieces of pipe or electrical conduit in the mortar, as described in the section previously.
- 5** Lay the first layers in mortar below the level of the paving.

- 6** Using either a gunned block adhesive or Pavestone Walling and Cladding Adhesive bond the Moodul blocks to each other. The last layer is always a cover stone.
- TIP:** For a professional result, make sure that the visible elements are placed in stretcher bond (also called 'half-brick') format. Occasionally you will have to fill in with in half blocks
- 7** Paving.
 - 8** Lay a drainage mat membrane on the retaining side of the wall. This prevents the underlying material from washing into the joints of the Moodul. Glue the upper fleece layer under the top coping stone.



TOPTIP

For easier installation use
NEW Pavestone Adhesive



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