

GLOBAL STONE

LANDSCAPING SUPPLIES

INSTALLATION GUIDE & LAYING PATTERNS

FOR PREMIUM SANDSTONE PAVING RANGE

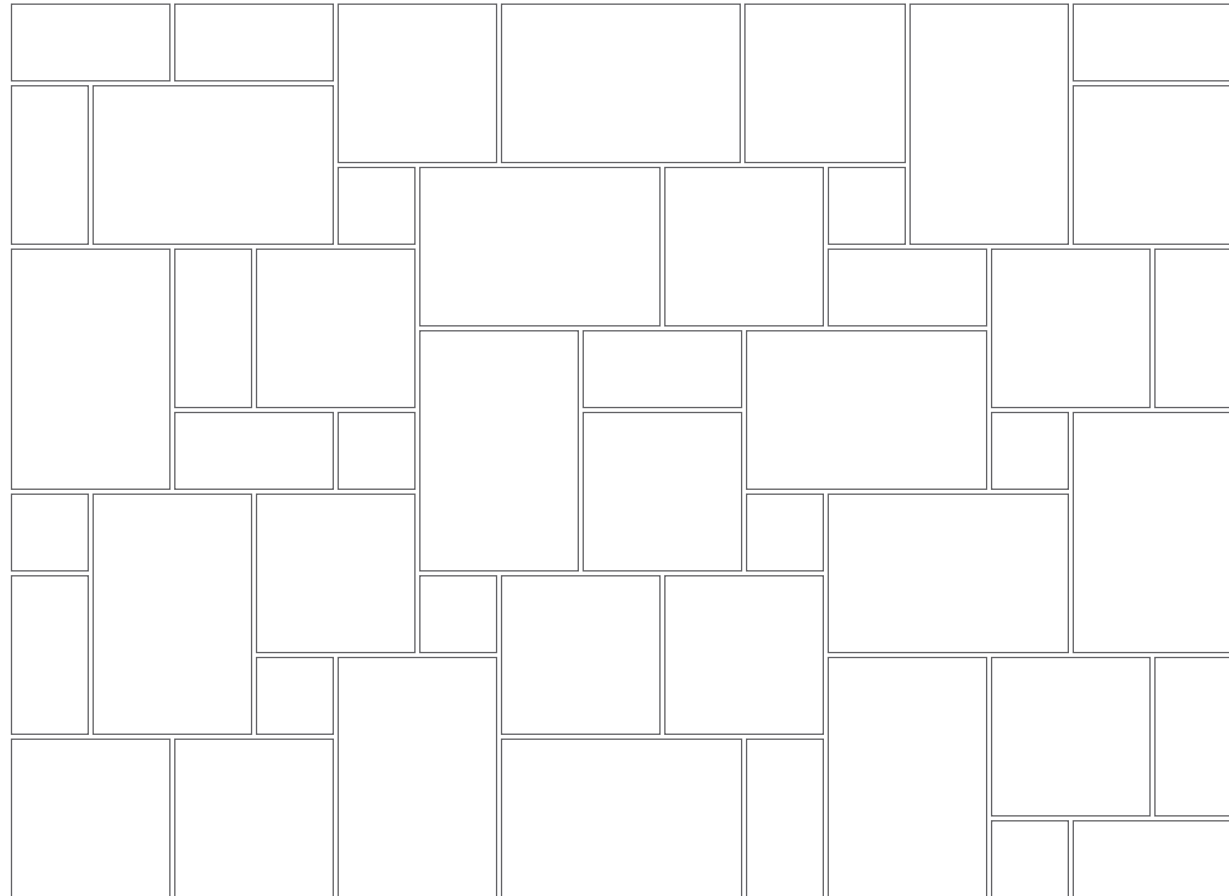
Laying Pattern for Premium
Sandstone Paving Range
15.3m² Project Pack

Contains:

- 9 ▶ 300 x 300mm
- 13 ▶ 600 x 300mm
- 13 ▶ 600 x 600mm
- 13 ▶ 900 x 600mm

- ✓ Joint Width:
Handcut Edges 10-15mm
Sawn Edges 5-10mm
- ✓ We recommend the use of
Ultimate Slurry Primer.
- ✓ Laid on a full bed of mortar
- ✓ Ensure proper drainage to prevent
water pooling and damage
- ✓ Always mix packs whilst laying to
achieve an overall blended
appearance.
- ✓ Use an appropriate jointing product
or the Ultimate Universal Paving
Joint Compound
- ✓ 15.3m² Project packs include four
different sizes, and when laid, they
create a random and visually
appealing effect. A simple method
to verify correct installation of
a random pattern is to check for the
absence of cross joints – if four
corners meet then you will need
to adjust the slab layout. Dry lay
slabs wherever possible to ensure
correct laying pattern before
cementing in place.
- ✓ For the best results, we recommend
having your paving installed by an
experienced installer, such as a
builder or landscaper.





LAYING PATTERN FOR 4 SIZE 15.3m² PROJECT PACK



Random pattern design - no 4 corners should meet and you should not have a straight run of grout lines longer than 2m/3 slabs.

The above design produces an area approx. 4.5m x 3.3m

Share your finished project online, tag us at;

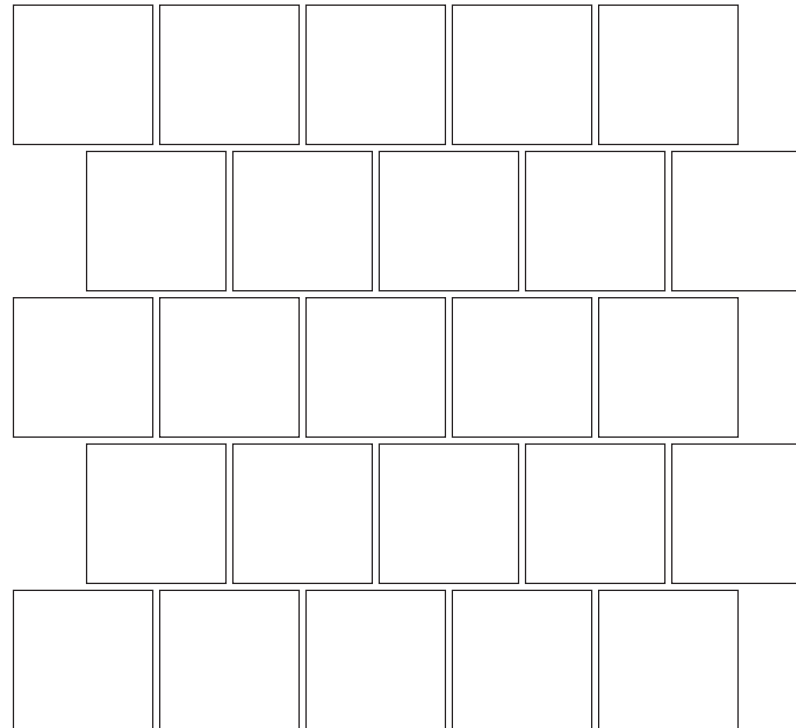
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Laying Pattern for Premium
Sandstone Paving Range
300x300mm or 600x600mm

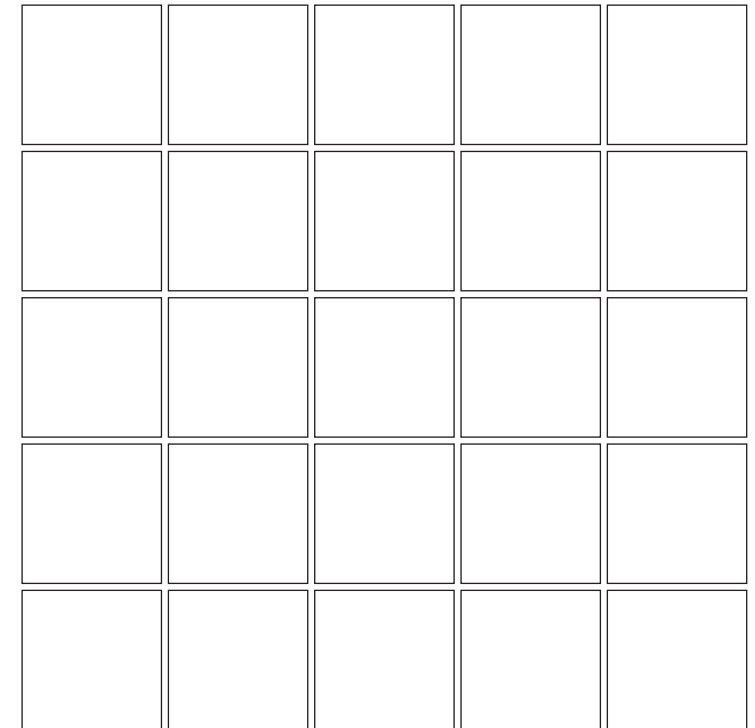
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SINGLE SIZE LAYING PATTERN

FOR 300x300 or 600x600mm



Stretcher (Half) Bond for a more contemporary look.



Stack Bond for a more formal look.

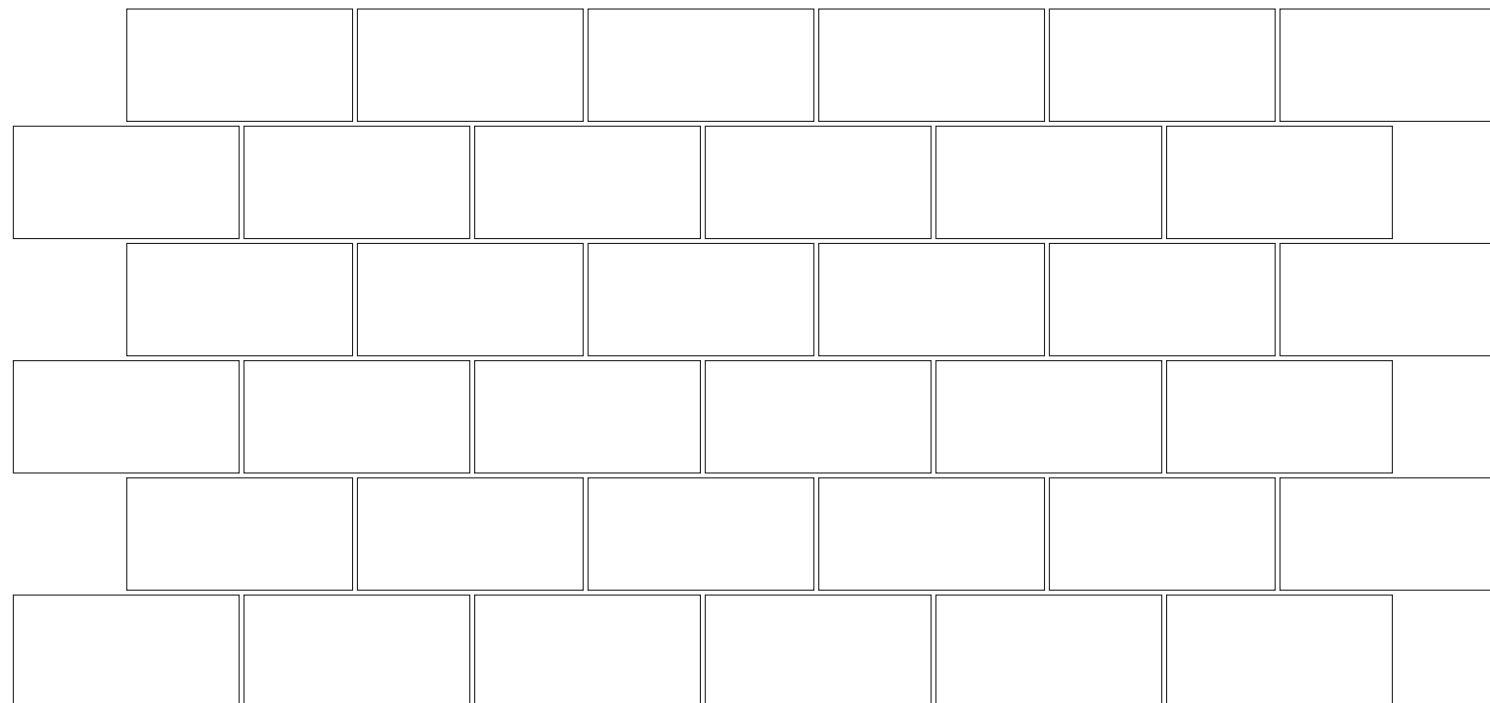
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Laying Pattern for Premium
Sandstone Paving Range
300x600mm





- ✓ Joint Width:
Handcut Edges 10-15mm
Sawn Edges 5-10mm
- ✓ We recommend the use of
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SINGLE SIZE LAYING PATTERN

PATTERN FOR 300x600mm



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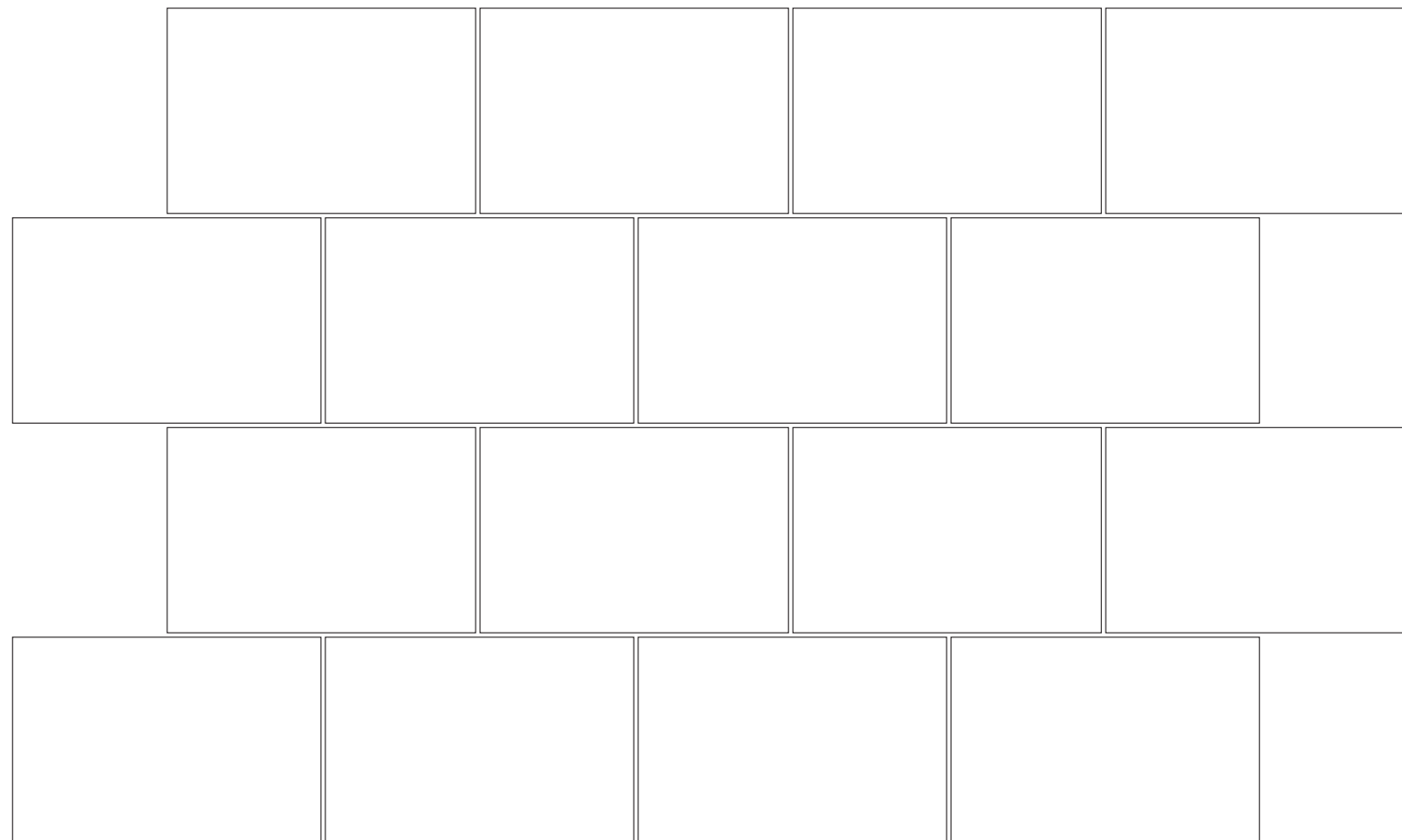
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**Laying Pattern for Premium
Sandstone Paving Range
600x900mm**





- ✓ Joint Width:
Handcut Edges 10-15mm
Sawn Edges 5-10mm
- ✓ We recommend the use of
Ultimate Slurry Primer.
- ✓ Laid on a full bed of mortar
- ✓ Ensure proper drainage to prevent
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- ✓ Always mix packs whilst laying to
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- ✓ Use an appropriate jointing product
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Joint Compound
- ✓ For the best results, we recommend
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SINGLE SIZE LAYING PATTERN

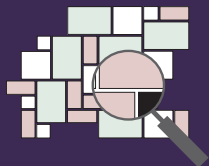
PATTERN FOR 600x900mm



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10 Quick Guidelines for Laying Success



View as large an area of your chosen paving as possible before purchasing to ensure you are happy with your choice.



Inspect your product to make sure you are completely happy before you lay. We advise that dry laying products before laying them permanently is the ideal way to do this. Ensure the product has the same Batch Number.



Only use appropriate products for driveways – Speak to your contractor as to the suitability of the product for driveways.



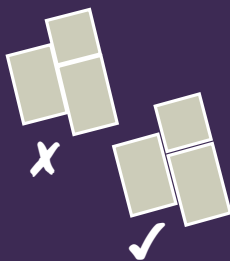
Always mix packs whilst laying to achieve an overall blended appearance.



Never use brick acid or acidic cleaning products on natural stone or porcelain. Always check the manufacturers labels/instructions to ensure that cleaning products are suitable for use.



Always lay paving on a full bed of mortar and never use the spot bed method – see our step by step laying guides for more advice on this.



Never butt joint paving when laying you should always use an appropriate joint for your chosen product. Global Stone porcelain products should be laid with 4-6mm joint, stone paving typically should be laid with 10-15mm joint width. See website for details.



When laying porcelain paving to help avoid uneven edges (known as lippage) between tiles over 900mm/longer, we recommend using a third bond pattern, where the joints are staggered by a third of the tile length.



Slurry primer must be used on the back of porcelain when adhering to a sand and cement mix.



For other installation guides and How to Videos please visit our website www.globalstonepaving.co.uk or scan the QR Code below.

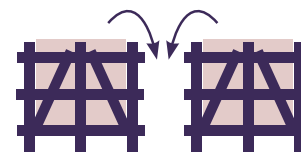


NATURAL STONE STEP BY STEP LAYING GUIDELINES

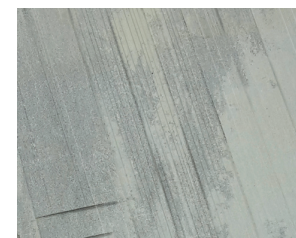
We have created a step-by-step laying guide specifically for natural stone products in order to help you get the best results when laying. Please ensure that you follow guidelines when laying Global Stone natural stone products.

1. CHECK YOUR PRODUCT

Before any work is carried out, each piece of natural stone should be inspected prior to laying as pieces will vary to ensure you have a good colour blend across your patio. No returns can be accepted once the product is installed. The Beauty of Natural Stone each piece of natural stone is unique, with a variety of colours, natural tones and veining. No two pieces are alike, that is the beauty of natural stone. Always mix packs whilst laying to achieve an overall blended appearance.



Our Premium and Gardenstone stone paving ranges are designed to be laid with the largest surface area facing upwards. Calibration marks (straight grooves/striations) should be laid so they are on the bottom of the paving when laid.



CHECK

Are you laying the product the correct way facing up? Calibrated paving has striation marks on the underside of the slab.



CHECK

To ensure proper installation, the larger face of the slab should be positioned facing upwards, with the edges slanting inward. If the slab is placed upside down, the slant will reverse, and the calibration marks will be visible.

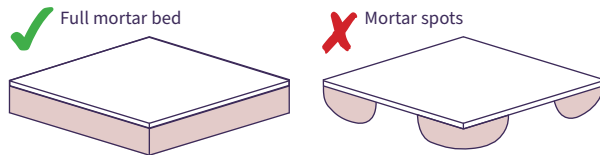
2. PREPARE YOUR BASE

When work begins, ensure the area is cleared of all vegetation and debris. Then, ideally using a scaled drawing of your planned area, you can start plot pointing by marking out the space using pegs and a string line. Complete all necessary groundwork before installation. Ensure the sub-base is at least 150mm thick with Type 1 material (hardcore), well-compacted, and has proper drainage slope. The drainage slope should be angled away from buildings at a minimum gradient of 1:60. Ensure there is an adequate drainage outlet at the end of the patio's runoff edge. Paving or a patio should be 150 mm below the DPC level.

When Laying a Driveway: a minimum of 150mm compressed hardcore foundation must be used before laying products for a driveway (only suitable products to be used). It is essential that products are laid on a full bed of wet mortar for driveways. If you are unsure in anyway about how to lay a driveway then please consult your landscaper or call the Global Stone sales team for advice on best practice.

3. USE A FULL BED OF MORTAR

Once happy with the layout, using your line and pegs as a reference, you can start laying your flags down on a full bed of slightly wet mortar mix 30-50mm deep. For the mortar mix we advise 1 part cement to 5 parts sharp sand (some contractors use a 50/50 mixture of building and sharp sand). All products must be laid on a full bed of mortar (DO NOT USE THE SPOT BED METHOD), especially when laying a driveway. A full bed of mortar is key to help reduce moisture transparency or discolouration, as well as to provide a solid base for the patio.

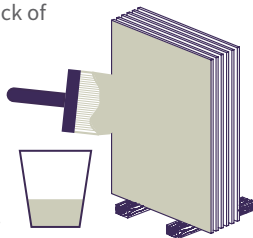


Please remember that with all Global Stone products – the spot laying method is not suitable!

4. PRIME YOUR SLABS

We recommend that you use a slurry primer when laying natural stone. Apply Global Stone's Universal Slurry Primer, mixed to a creamy consistency (not runny), to the back of each slab before laying to ensure proper adhesion to the sand and cement mortar bed. Larger slabs may require two people for handling.

Apply a 1-2 mm layer of the slurry primer to the entire back of the slab just before laying, ensuring it remains wet for proper



adhesion. Immediately clean off any excess slurry primer from the surface, as it becomes very difficult to remove once it dries. Apply the primer to each slab just before laying, ensuring it remains wet for proper adhesion. Immediately clean any primer residue from the face-up side with water.

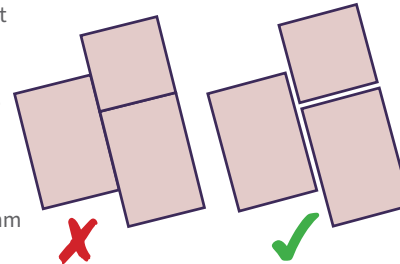
5. LAY YOUR SLABS

Use a rubber mallet to gently tap down the flags and a spirit level to check the patio is uniformly level, being careful to check you follow your slope level as you go along. To provide suitable run-off during wet weather, a fall angle must be considered. Falls must be angled away from buildings or structures at an incline of 1:60 or steeper. An adequate drainage outlet source should be present at the end of the patio's run off edge. A planning officer may need to be consulted for further advice.

Circle Features: these should be dry laid before final positioning on a full bed of mortar, starting from the centre of the circle outward.

It is important to note that Global Stone products are not designed to be butt jointed, Global Stone natural stone products should be laid with a joint of:

- Handcut edges = 10-15mm
- Sawn edges = 5-10mm



6. CUTTING NATURAL STONE

Once the main area of the patio is laid down and there are slabs that need cutting, in the case of natural stone a disc cutter with a suitable attachment or a hammer and chisel is needed to shape your slabs effectively. Once happy with the shapes of the now cut flags, you may lay them down on a full bed of slightly wet mortar mix. Using a rubber mallet, gently tap down the flags and use a spirit level to check for a uniform flatness (taking into account a 1:60 fall).

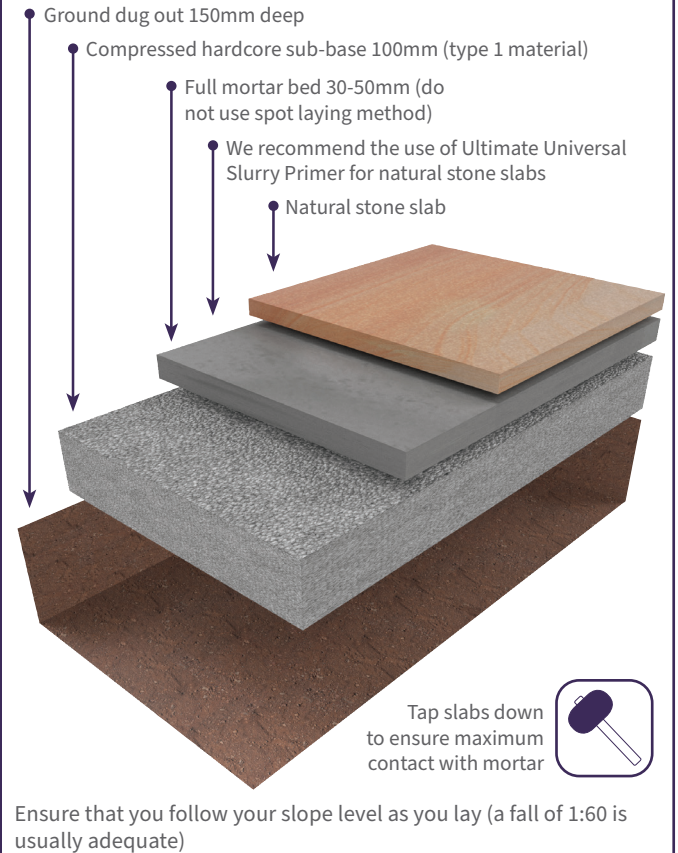
7. CHECK YOUR JOINTS

Once the patio has been fully laid, ideally allow a few days for the mortar to set. There are several ways of sealing the joints between paving slabs – the installer must determine the most appropriate method to use. Some use a cement based mortar mix and so create a solid, inflexible joint. Others use a modern jointing compound that brushes in and hardens with contact with the air, commonly known as paving jointing compound. When using any jointing products always follow manufacturer's instructions.

8. IMPORTANT – CLEAN THE JOB

Maintain cleanliness during and after installation. Promptly remove any residue to prevent staining. Ensure any cleaners used do not contain any acid and check they are suitable for stone.

Quick Guide to Building Your Base



Our How To Videos provide helpful advice on best practice when laying your Natural Stone or Porcelain paving. Check out the videos section of our website to find out more www.globalstonepaving.co.uk

Please note that all recommendations and instructions are provided for guidance only. Global Stone (Colchester) Ltd accepts no liability for any loss, damage, or injury caused by following them.

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