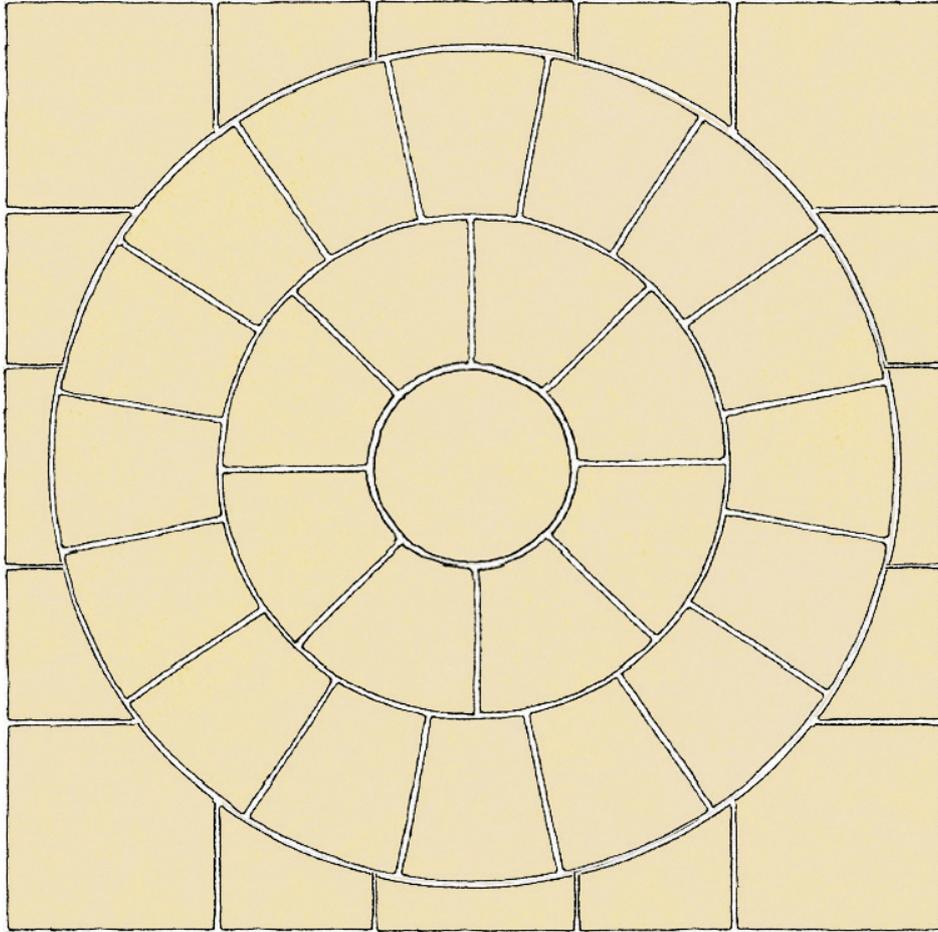


Planning and Laying Guide

Yorkstone NEXTpave Circle



Preparation

Planning Suggestions

- Draw the area to be paved using graph paper.
 - A scale of 1:50 will allow direct use of the drawings on pages 142-143.
 - Use dimensions that minimise cuts to paving.
 - Paving surface must be at least 150mm below the damp course in any adjacent wall.
 - Provide a gradient of 1:40 or steeper, towards adequate drainage.
- Paving Installation
- This is heavy work, requiring specific skills, tools and experience.
 - Before starting, refer to suitable professional advice, publications or websites.
 - The following advice assumes you have acquired a basic knowledge of what is required, including health and safety precautions.

Foundations

- These depend on ground conditions and expected use.
 - For light pedestrian use on solid, even ground, 40mm compacted sharp sand may be adequate.
 - For less stable or wet ground, provide 100mm well compacted hardcore beneath the sand.
 - For domestic driveways, increase the hardcore depth to 150mm.
- For Paviers follow the Pavier Laying Guide; for Flagstones follow the section headed Driveways.

Groundworks

- Mark out the area and dig out to the required total depth.
- Tap in wooden pegs to show the levels for the finished surface including the required gradients.
- Infill the appropriate foundations and remove the pegs before laying the paving.
- For Rio Paving, and all Paviers, follow Pavier Laying Guide.
- For all other paving (including Rio if preferred), follow Paving Flag Laying Guide.

Paving Flag Laying Guide

Getting Ready

- Avoid rubbing and damage to Flags by carefully stacking them on timber battens with spacers between them.
- Select paving from different packs throughout the job, to blend colour shades.

Laying

- Make up a slightly wet mortar mix of 1 part cement to 5 parts building sand.
- A SBR or slurry backing should be pasted to the rear of the slab prior to laying.
- You may also consider using an appropriate plasticiser additive in the mix.
- Prepare a full bed of mortar ahead of each Flag, approximately 25mm thick, but allowing for the variation in thickness between Flags.
- Tap the Flag down to the required level, using a rubber mallet.
- If the Flag will not level with several gentle taps, lift it, adjust the

level of the mortar bed and relay the Flag.

- Keep checking levels and gradient across a number of slabs. Stringlines can be helpful to define levels and lines within the laying pattern.
- Maintain the correct joint width by gently shuffling with a trowel. Small pieces of timber are useful as temporary spacers.
- If you need to cut Flags, a power tool with a suitable diamond tipped cutting disc will cut accurately through our products.

After Laying

- Do not walk on the paving for at least 24 hours.
- During wet or frosty weather, cover the paving for protection until mortar has cured.
- Then point as soon as possible.

Pointing

- For most paving flags Stonemarket Fast Point Jointing system can be used where a minimum 10mm joint and 22mm thick paving units are being utilised. For thicker flags 5mm and over the width can be reduced to 8mm.
- If there are known permeability issues drainage holes can be included to help water escape.
- Fast Point should not be used with Arctic

Granite or Lorento.

- Alternatively, use a damp mortar mix of 1 part cement to 4 parts building sand.
- Press firmly onto the joints to produce a dense, impervious surface that will drain water across the paving.
- If mortar gets onto the faces of the Flags, clean off immediately using a damp sponge frequently rinsed in clean water.
- Jointing sands and other pervious materials are not recommended except where paving is laid with minimal joints. Stonemarket will not accept responsibility for contaminations/staining incurred from use of manufactured jointing compounds.
- Where minimal joints are recommended, these should be 2-5mm and an external grout should be considered.
- Where minimal joints are suggested with single size layouts or in courses, you could consider larger joints for ease of pointing and improved durability of the joint.
- Butt jointing is not recommended for any of our products.

Driveways

Our Pavior ranges are specifically designed for high performance in areas used by domestic vehicles. However, many of our customers prefer the look of flagstones. Trustone (Fieldland, Glenmoor and Fellstyle) and Vintage Stone Manor have been used successfully. Extra care with the foundations is essential. Lay the Flags directly onto a 100mm thick wet concrete bed (1:5 cement: sharp sand) on top of 150mm well compacted hardcore. To ensure a solid bond from flag to mortar bed, we advise the use of SBR paving primer. Damage can be caused by heavy and four wheel drive vehicles, or by using power steering whilst stationary.

Specific Advice

NATURAL STONES

Coating the back of each Flag with SBR additive just before laying, will assist bonding.

Indoor Use

For indoor use, a coating is advised to reduce dusting and make cleaning easier.

Use Around Swimming Pools

Advice from Stonemarket should be sought about suitability for use of products around swimming pools.

Health & Safety

Mixing Mortar

Dry or damp cement and wet concrete or mortar can cause irritation and burns to the eyes and skin. Suitable eye protection and PVC gloves should be worn. If contact with the eyes or skin occurs, irrigate or wash off with plenty of water. If irritation or burning persists, seek immediate medical attention.

Cutting

Using high speed cutters on concrete and stone products produces dust and water suppression must be used. If dust is inhaled in excessive amounts over a long period this may cause longterm health problems. Suitable safety goggles and a dust mask should be worn.

Manual Handling

Most of our products are abrasive and heavy, some are very heavy. Appropriate handling precautions include wearing protective gloves and footwear and obtaining mechanical assistance when moving items weighing over 20kg.

Safety Data Sheets

Available by calling 0345 302 0603.

www.stonemarket.co.uk/healthandsafety

Maintenance

- Keep pavior joints well filled with kiln dried sand.
- Pressure washers and chemical cleaners are not recommended on any of our products particularly reconstituted stone, natural limestone and Arctic Granite Midnight.
- Many common patio cleaners and brick acids are hydrochloric acid based and are not appropriate on most of our products including sandstone.
- To clean, wet thoroughly with lukewarm soapy water and use a stiff hard broom.
- Never use common salt to de-ice reconstituted stone or limestone. Alternative products are available, specially formulated for this purpose.
- Light coloured natural stone and concrete blocks, whilst structurally sound for use on driveways, may emphasize tyre marks and oil spills on the driveway and may require more maintenance to maintain appearance.

Coatings/Sealants

If a coating or sealant is used make sure paving is completely dry and free of efflorescence before applying. Responsibility for the performance of any coating rests with the user and the manufacturer of the coating. Always read the instructions carefully and first test a small area for colour and slip resistance, wet and dry. For further advice refer to our sales office.

WE DO NOT USUALLY RECOMMEND THE USE OF COATINGS AND SEALANTS.