

BESWICK STONE

CIRENCESTER

EXTERNAL STONE INSTALLATION

Please note this is a guide only and does not replace the need to employ a competent, experienced & insured installer who can advise on your specific installation. Beswick Stone is a supply only company and is not liable for any installation claim that may arise.

Outdoor stone installation will likely fall into 2 main types:

- Standard patio base which is made up of MOT TYPE 1 or similar (this is a loose, hardcore material)
- Concrete pad – would be used when levels need to be exact e.g. when laying flush internally to externally

Our outdoor stones fall into two categories:

- Category 1 is those which can be installed using a NORMAL grey cement & sand wet mortar mix
- Category 2 is those which can be installed using a WHITE Portland cement & sand wet mortar mix

(When installing onto a solid concrete pad / screed base then an exterior grade adhesive can also be used for all stones – please see ‘Installation Table’ on the next page.)

For both categories SBR (Styrene Butadiene Rubber) MUST be added into the mortar mix to give the mix more flexibility, adhesive strength, water resistance and resistance to freezing. The only drawback with SBR is that it reduces the working time for the mortar to around 10-15 minutes so needs to be used quickly. 200ml of SBR per kg of cement or 5litres per 25kg bag.

Our stones:

Category 1 (NORMAL grey cement & sand mix)	Category 2 (WHITE portland cement & sand mix)
Raj Beige	Avignon External
Raj Black	Avignon Sandblasted*
Raj Grey	Castile External
Jaipur	Mixed Seam External
Old Heritage	Hebron Cream External
Black External Flag	London White
Windsor	Dijon / Regent External

Installation Table:

Stone	MOT TYPE 1	CONCRETE PAD (CP)
Raj Beige Raj Black Raj Grey Jaipur Old Heritage Black External Flag Windsor	Cement & sand wet mortar mix with SBR No requirement to seal the stone. Sealing can be done for aesthetic qualities or for where stain protection is desired.	As left OR S1 grey adhesive – maximum bed of 20mm Stone must be sealed to minimise water penetration whichever install method (adhesive or mortar mix) is used.
Avignon External Avignon Sandblasted* (CP only) Castile External Mixed Seam External Hebron Cream External London White Dijon / Regent External	WHITE Portland cement & sand wet mortar mix with SBR No requirement to seal the stone. Sealing can be done for aesthetic qualities or for where stain protection is desired.	As left OR S1 white adhesive – maximum bed of 20mm Stone must be sealed to minimise water penetration whichever install method (adhesive or mortar mix) is used.

*NB: at 20mm thick our Avignon Sandblasted stone can only be installed onto a solid concrete pad / screed base. It is not appropriate for use on an MOT type 1 or similar base.

Grouting & Pointing:

Ardex FL grout can be used on either installation method but if your installer has used a mortar mix to install then bear in mind that grout lines may be quite deep so an 8sqm coverage per bag might not be enough. Ardex has a grout calculator on their website which can be used to calculate the number of bags required based on the sqm area and depth & width of the grout joint.

Mortar Pointing is the traditional way of pointing patio stone and can be used on any of the stones. For category 2 stones WHITE cement must be used for the mortar pointing PLUS we'd strongly recommend doing a test first to see if the mortar colour is absorbed into the porous edges of the stone. To prevent this from happening you have the option of sealing all the edges of the stone with a sealant.

Many landscapers are now using brush-in jointing compounds that are very quick to use which is great for large areas and economy. Toolstation stock a range of these 'Jointing Compounds' made by Sika in various colours and have been recommended to us by installers who have used them though we have no firsthand experience.