

## **LAYING GUIDELINES**

### **Installing the Stone: *Traditional Fixing Method - Mortar***

1. Remove all dirt, dust and debris from the concrete foundation
2. Dampen the concrete foundation with clean water
3. Hydrate the concrete foundation with a cement based slurry. Only apply the slurry to the area where the mortar will be placed. The slurry should be applied in an even coat approximately 2mm thick. Do not allow the slurry to dry prior to installing.
4. Place and evenly spread the mortar mix on top of the concrete where the stone will be laid. The mortar should be approximately 20-25mm thick with no voids or hollows.
5. Hydrate the back of the stone with the cement based slurry. The slurry should be applied in an even coat approximately 2mm thick and should cover the entire back of the stone i.e. edge to edge and all corners.
6. Place the stone into position gently tapping down with a rubber mallet making sure to eliminate air pockets and to achieve compaction of the mortar bedding. Ensuring there are no air pockets will allow a strong bond to occur and ensure the stone is fully supported i.e. the pavement does not become “drummy” at a later stage.
7. Tap the stone to the correct falls and levels.
8. Cut away (remove) any excess mortar and fill in any voids.
9. Sponge clean the surface of the stone to remove any excess mortar.

### **Installing the Stone: *Contemporary Fixing Method – Proprietary Adhesives***

1. If necessary, apply a final screed to the foundation to prepare a foundation (base course) which is true and at the correct falls and levels. The pre-screed will be a 3:1 (washed sand : cement) mix with the [MAPEI PlanicreteSP](#) added at a ratio of 3 (water) :1 (planicreteSP).
2. Remove all dirt, dust and debris from the concrete foundation/final screed.
3. Evenly spread the chosen adhesive across the laying area (substrate) using a 8-10mm notch trowel.
4. Back blade (“butter”) the back of the entire stone with the chosen adhesive as well to ensure full adhesion and to consistently fill all micro holes of the stone i.e. edge to edge and all corners.
5. Place the stone into position gently tapping down with a rubber mallet making sure to eliminate air pockets and to promote full coverage of the adhesive across the entire stone being laid.
6. Tap the stone to the correct falls and levels.
7. Sponge clean the surface of the stone to remove any excess adhesive.

**Note:** The thickness of the stone will help determine the type of adhesive you use. If the stone you are using is thicker than 20mm we recommend using [MAPEI Kerabond](#) mixed with Isolastic50. If the stone you are using is thinner than 20mm thick or it may be moderately unstable to moisture, we recommend the use of [MAPEI Granirapid](#).