

castle

COMPOSITES

Guide to Laying Castle Promenade Slabs on Paving Supports

Preparation

Ensure surface to be covered is free from dust grease and all loose materials

Where appropriate ensure efficient drainage to area – recommended minimum 1:80 maximum 1:40.

Inspect existing surface or roof covering and ensure that all necessary remedial works are carried out prior to work commencing.

Marking Out

Marking out of the area is very important to ensure that any cut slabs at edges etc are maintained at their maximum size. Where possible slabs should not be installed under $\frac{1}{2}$ size. Establish and mark the centre line in both directions for the area to be covered and measure from this line to the edge. Deduct the number of full slabs from this dimension to calculate the size of the edge slab. If the result is **more** than $\frac{1}{2}$ slab width then the centre line should be used as the joint of the **two centre rows** of slabs as shown in **Pic 1** below. If the result is **less** than $\frac{1}{2}$ slab width then the centre line should be used as the centre line for the **centre row of slabs** as shown in **Pic 2** below. This later operation will increase the edge slab size by $\frac{1}{2}$ slab, and will give the best layout in this condition. Repeat this move in the other direction.



Pic 1



Pic2

PLEASE NOTE:- If you have any concerns regarding your layout then we will be happy to provide a layout design service to show where the slabs will be best positioned and to calculate the approximate number of Paving Support Pads and

levelling discs or Adjustable Support Pads you will need. All you need to do is to send us your layout dimensions and slope measurements and we will do the rest.

Laying Promenade Slabs Following the Profile of the Roof

We now have a starting point in both directions. If the intention is to follow the existing profile of the roof with the finished level of the slabs then start laying slabs from the centre line established. Lay out some Paving Support Pads (PSP) along the line and lay slabs on top, working in both directions but ensuring that straight lines are maintained in both directions. If any low points are encountered use levelling discs to bring the slab level up to that required.

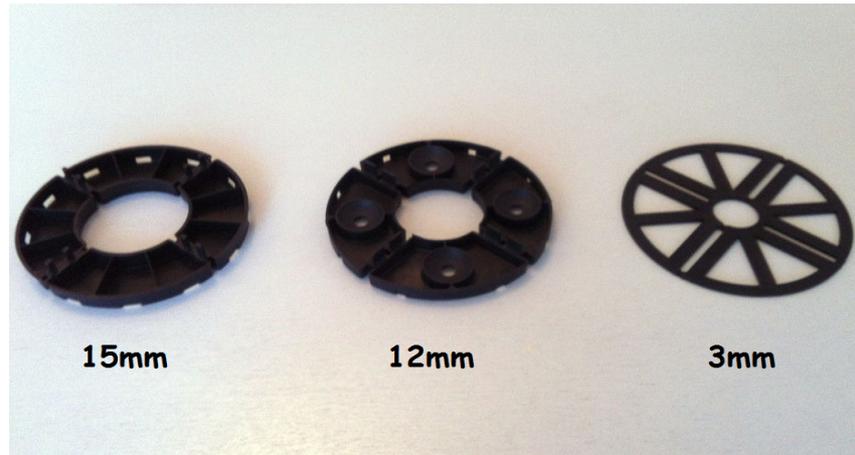


When the full slabs have been laid the edge slabs need to be cut to size and fitted. Cutting is easily achieved using a diamond blade on a cutter. When cutting tiles ensure that dust created is not allowed to build up on completed areas as staining may occur.

Always place an additional PSP under the centre of any cut slab to reinforce. You will have to snip off or cut off the spacer lugs to achieve this. If the edge joint is unsightly due to variation in the wall line we have expanding foam tape available which will close the gap and improve the appearance.

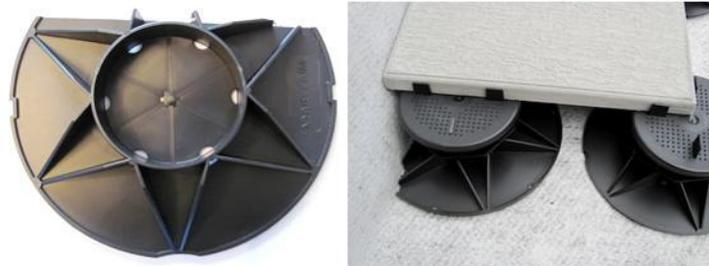


If there are any obvious high points on the roof then it may be necessary to start from that area so that the lower areas can be lifted by levelling discs. If necessary the PSP's can be stacked up to four high to overcome undulations in the roof surface. PSP's are available in 12mm and 15mm and the levelling discs are available in 1, 2 and 3mm.



Laying Promenade Slabs to a Level Top Surface

We have a starting point in both directions. If the intention is to achieve a level top surface of the slabs then we need to start laying slabs from the highest point. If we have prepared a layout guide then this will show how many of each type of PSP are required at each Grid line. Lay out some Paving Support Pads (PSP) along the line and, starting at the highest point, lay a slab on top of the PSP's. Working from this slab, lay the next slab, check with a spirit level and adjust with levelling discs if necessary. Continue slab by slab with this method until all of the full slabs have been laid.



When the full slabs have been laid the edge slabs need to be cut to size and fitted. Cutting is easily achieved using a diamond blade on a cutter. When cutting tiles ensure that dust created is not allowed to build up on completed areas as staining may occur. PSP's can be easily broken in half for use at the edges and into quarters for use at the corners. Always place an additional PSP under the centre of any cut slab to reinforce. You will have to snip off or cut off the spacer lugs to achieve this. If the edge joint is unsightly due to variation in the wall line we have expanding foam tape available which will close the gap and improve the appearance.

If Adjustable Pedestals are to be used then simply follow the above method but adjust for level by screwing the top section up or down. At edges and corners, full Adjustable Pedestals will be required. Spacers lugs can be removed for use at the edges and corners. The adjustable pedestal base plates can also be cut down. For more detailed information on using adjustable pedestals please download our guide to using DD Adjustable Pedestals.



Precautions

Due to the high cement content of Castile Promenade Slabs there is the possibility that efflorescence or staining may appear on slabs if water has been allowed into the stack but evaporation has been restricted. The strength and other properties of the slab will not be affected.

Promenade Slabs are manufactured from naturally occurring materials and are therefore liable to colour differences caused through variation in the raw materials and differential drying conditions. These variations are beyond the control of the manufacturer. Promenade Slabs displaying unacceptable degree of variation should not be laid and the advice of the manufacturer should be sought. No responsibility will be accepted for the consequences of variation in tile colour.

Care should be taken to allow for any variations in shade and for manufacturing tolerances in size and thickness when laying Slabs.

Promenade Slabs are stacked on pallets and shrink wrapped soon after manufacture to provide optimum curing conditions. As a result they may not display their true colour until they have been exposed to weathering and sunlight.

Promenade Slabs are supplied from our works on wooden pallets and are covered with plastic shrink-wrap bags. Pallets must not be stored more than two high and point loading must be avoided or damage to slabs will occur. Pallets of Slabs must be protected and stored in dry conditions or efflorescence, discolouration and staining may result.

Do not allow dirt and other contaminants to build up in the gaps between slabs as this can cause staining. If contamination of slabs is likely to occur it may be advisable to seal with Promseal when laid. Acid based cleaners must not be used on slabs.

This information and any recommendations or suggestions contained herein are given in good faith without warranty or guarantee as conditions of use are out with our control. Product development is continuous and slabs are subject to change without notice. Please ensure that our products will be suitable for use by requesting samples for your evaluation relating to colour and working conditions.

All slabs and accessories are sold in accordance with our terms and conditions of sale which are available on request.