Z-Stone is available in 3 formats: Regular Panel, Sky Panel & Contemporary

1. The Z-Stone system comprises of: 2 panels at 600 x 220mm & 2 panels 325 x 220mm. Note: 4 x pieces per box. These can be used in most situations to achieve the desired finish. For special applications, i.e. curved or radial walling, please contact the LBS Technical Team.

1.2 Z-Stone will not require a foundation, as it is a self-supporting unit.

1.3 It is best to apply Z-Stone to a concrete block wall free from any coatings, i.e. Gypsum, loose plaster, paint, dust or debris. NB it is recommended if the outer leaf of blockwork needs to be waterproofed, then a scud plaster followed by a scratch coat (with waterproofing agent) be applied prior to the Z-Stone being fitted. The wall must be deemed sound to support weight in excess of 90kg per m². All new-build concrete substrates containing mortar must be constructed a minimum of 7 weeks prior to fitting Z-Stone cladding.

1.4 Always start by nailing a level timber batten along bottom of wall. Position this at a measurement that allows any cuts to be put in below batten when removed. You should usually leave the batten in place for a minimum of 48 hours.

1.5 First coat wall with LBS adhesive, using a notched trowel.

1.6 The use of pre made corners are required unless fitting to a straight wall. These can be used for all external corner applications, window and door returns. Z-Stone pre-made corners should be fitted first and you should alternate the long and short legs to give a broken bond effect so as not to show any joints within the vertical course of the Z-Stone. If a reduced size of unit has to be cut to finish the wall, always cut the Z shape joint, as this will give a seamless finish. (Straight cut joints will show when wall is completed). NB - It is good practice when fitting to use a mini cutting disc to remove any excess cement overspill from the panel edge to give a tighter joint, when fitted. Please exercise due care when using a mini cutter. *For Contemporary Z-Stone panel fit in broken-bond format as per traditional tiling methods.

1.7 The rear of the Z-Stone panel must also be coated with LBS adhesive, taking care not to spill over the edges, as this will cause adhesive staining when dry. Always tap into place with rubber mallet to insure sound contact between the panel and wall, and displace any trapped air pockets. There is no need to put any adhesive into the joints, as this is a dry joint product.

1.8 When the wall is over 3m high, you must use Sky Panel which has in-built stainless steel fixing clips. This offers additional support to the LBS adhesive. NB - LBS adhesive must always be used in conjunction with the in-built clip fixing system.

1.9 To secure the in-built clips, fold out from the reverse side of the panel. An 8-10mm hole must be drilled into the substrate and then secured with the stainless steel fixing screws and wall plugs supplied by LBS. NB - only 1 mech fixing per Z-Stone panel is required.

1.10 When fitting Z-Stone onto a timber frame construction, you must ensure that appropriate backing support is used. This must be guaranteed to support each Z-Stone product, weighing in excess of 90kg. This backing must be non-reactive to LBS adhesive to guarantee a secure bond.
Where reveal detail is required at windows and door openings, all block work must be recessed by a minimum of 50mm, to allow for the return of Z-Stone back into the frames. Always check prior to fitting, so as the window and door openings will not be obstructed. Expansion tape is available to neatly close off any remaining gaps to give a neat and weatherproof finish.

Z-Stone may not be returned on the underside of a window or door heads. To achieve a finish here, use special width Keystone Lintel, or alternatively finish with slate reveal unit or rubbed-up plaster detail. Contact LBS Technical Support if you require any guidance.

When calculating area to be covered by Z-Stone, measure width by height and always add 10% to allow for waste and cutting.

NB 90° corners are necessary with each project (unless just covering a straight wall for example).

Please note:
When using LBS adhesive allow one bag (15kg) of adhesive for 3m² and the adhesive must be applied generously on both the back of the panel and the wall surface.

ARCHITECTURAL RESOURCES
LBS has a team of technical sales professionals based throughout the country. We also have an in-house technical support team, whose job it is to provide help and support to any project.

We can provide site specific fixing specifications for any project upon request. In addition, our website offers an architectural resource section, which includes suggested NBS specifications, data sheets, CAD drawings and other valuable resources.

Our experienced team of professionals are fully up-to-date on current building regulations (in both the Republic of Ireland and the UK), and are on hand to provide help and assistance, whether with pre-specification or after sales support.