

Z STONE ADHESIVE

FOR USE WITH LBS Z STONE CLADDING

DESCRIPTION

Z Stone Adhesive is a lightweight multi-purpose polymer fortified adhesive that gives excellent non-sag performance on walls, allowing a maximum build-up of up to 19mm without shrinkage and maximum coverage due to its lightweight creamy smooth consistency. This patented adhesive is uniquely reinforced with high levels of polymer and **Kevlar®** to provide maximum strength in both internal and external environments when fixing **LBS Z Stone Cladding** and **Stone Veneer** directly to concrete block and brickwork.

SURFACE PREPARATION

Surfaces must be free from dust, debris and loose deleterious coatings whilst also being structurally sound and suitably rated to support the calculated weight of cladding and similar veneer finishes being applied. Worn or porous masonry surfaces should be sealed with SBR PRIMER diluted as 1 to 3 with water.

Do not apply this adhesive onto bare, unsealed gypsum plaster, plasterboard or painted surfaces and ensure all pre-existing movement / expansion joints shall be continued through the tile work and must not be bridged over.

Consult local building code requirements regarding limitations and installation system specifications. Installations where cladding is to be fixed at a height of 3 metres or greater, panels will require an additional mechanical fixing.

MIXING

Mix 5.0L of clean water in a mixing bucket and slowly add the entire 15kg bag of **Z Stone Adhesive**. Mix with a slow speed mixer for one minute or until a creamy smooth consistency is reached. Allow to stand for 5 minutes, then remix and use. Job site conditions might vary. Only add slightly more water if necessary to optimize application consistency.

APPLICATION

Key materials into substrate thoroughly with the flat edge of the trowel, then comb the mortar with the notched side, using a 6mm x 9mm notched trowel. Back butter all tile and stone of 300mm x 300mm or larger (using the same trowel) leaving a 20-25mm recess from the outer edge to ensure that when tapped into place, overspill is minimized. It is critical to ensure that the panel is fully bedded to ensure a good bond is formed by the adhesive to provide 100% solid bedding of the **Z Stone Cladding**.

Note: Use a proper sized notched trowel to ensure full bedding. Spread only enough mortar that can be fixed over with **Z Stone Cladding** within 15-20 minutes. Place cladding pieces then tap and beat in with a rubber mallet to embed to the required level.

Adjust as necessary. Check mortar for complete coverage by periodically removing a section and inspecting the transfer onto the back. Conduct a small test area for non-sag performance.

FITTING INSTRUCTIONS

Prior to fitting **Z Stone Cladding** walls must be assessed to determine they are structurally sound, stable and capable of retaining a shear-weight loading of at least 85kg/m².

Timber framed elevations must be assessed and approved by a structural engineer and the use of cement backer boards as a receiving surface must also be compliant with the weight loading requirement above.

Begin by measuring the area of the wall, allowing around 10% for natural cutting and wastage. Install a level timber batten along the bottom edge. This will allow cuts to be inserted when the batten is removed. Following instructions for application of the adhesive, start at any external edges and work inward, alternating the pieces to create a broken bond effect. To avoid finishing with a cut-edge, fixed 90° corners of **Z Stone Cladding** are available. Where cutting is necessary to achieve a neat finish, always cut to the Z shape to ensure a tidy finish. It is good practice to use a mini cutting disc to remove any excess adhesive overspill from behind the panels to give a tighter joint when fitting.

There is no need to grout between **Z Stone Cladding** once fitted and set.

Where **Z Stone Cladding** needs to be fitted above a 3 metre elevation, or above doors and windows, the **Z Stone System** comes with pre-installed clips to assist with the mechanical fixing process necessary at these heights to provide additional support.

Around window recesses, all blockwork must be set back to a minimum of 50mm to enable the stone to return back into the frame. Expanding tape is available from LBS to seal any gaps between the window frame and the finished edge of the cladding.

DO NOT return **Z Stone Cladding** under window or door heads as LBS can supply a separate keystone lintel for this purpose. Alternatively, a slate piece can be used for the head detail rendered to a rubbed finish.

For any further specific site support or installation advice consult the LBS website or ring the Technical Department.

COVERAGE

Application with a 6mm x 9mm notched trowel will cover up to 3m² of **Z Stone Cladding** per 15kg bag.

LIMITATIONS

Do not fix **Z Stone Cladding** to plaster, plasterboard, or any masonry surface not capable of supporting an approximate loading of 85kg/m². Do not apply this product when air and surface temperatures are forecast to be 5°C or less or more than 35°C for the next 48 hours.

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