

Island Stone Stacked Pebble Installation Guide

Inspection: All tiles must be examined and approved prior to installation. Claims including shade or texture variation will not be considered after installation. **Use of product implies acceptance.**

Substrate: **Wall installations:** The substrate must comply with drying times, as recommended in BS 5385 & BS 8204-1: 2003. The tiles with adhesive weight approx. 34-38kgs therefore the substrate must have a suitable weight rating. Gypsum fibre board and lightweight tile backing boards may be suitable (if) their published weight ratings comply. Block walls, brick walls are normally suitable provided they comply with the weight ratings. **Ply:** Only suitable for indoor dry areas, Marine ply is generally not an ideal product for cement adhesive cohesion and ply manufacturer weight ratings vary widely, ply must be primed with Ardex P82 primer (never prime with PVA). We do not promote its use as there are generally better performing tile backing solutions available.

We recommend 20mm Wedi Tilebacker board as accredited under BBA certificate 00/3675* Any application over 3m high we only recommend Wedi board 20mm with 12 Wedi approved PW60 washers and Wedi approved fasteners p/m² in accordance with their specifications. Note: 12 fixings p/m² is a Wedi specification especially for Island Stone products therefore this number of fixings supersedes Wedi's generic general instructions. Where Wedi sheets join/butt these are to be taped with Wedi tape. **Wedi Technical** ph:01706 647 333

For shower enclosures we only recommend Wedi products as per their installation guides. See www.wedi.co.uk

Fixing: **Adhesive:** ARDEX recommend ARDEX MICROTEC X77 (a flexible floor and wall adhesive with a 60 minute open time especially suited for large format tiles where good workable open times are required), suitable for indoor-outdoor and swimming pool applications.

Floor - ARDEX MICROTEC X77 is recommended because it has enhanced properties of adhesion and flexibility when fixing these type of tiles. The enhanced performance of ARDEX MICROTEC X77 means that it has a considerably longer open time, even under site conditions, than other adhesives currently classified as having extended open time. In addition, the enhanced slump resistant properties mean that even heavy tiles may be fixed to walls with minimum slip. ARDEX MICROTEC X77 S is recommended if a rapid setting adhesive is required.

It should be noted that when fixing tiles to walls guidance is given in BS5385:1 regarding the maximum weight of tile that can be fixed on various backgrounds. **Ardex Technical** ph: 01440 714 939

Grout: ARDEX-FLEX FL **Wall:** ARDEX-FLEX FL typically for floor and wall applications, rated for 3 – 15mm wide joints. Available in over 30 colours. See www.ardex.co.uk/pdfs/grout_swatch_card.pdf

Movement: As every installation/building is unique, installers need to be familiar with the latest movement building standards and factor these into their installation where applicable. Advice is given in the relevant part of BS 5385

Installation: Tile can be laid horizontally or vertically. Ensure that each tile butts firmly against the neighbouring tile(s) making sure that as many pebbles as possible are touching the neighbouring tile. Ensure the adhesive protrudes the mesh to make contact with each pebble. Lay only 1m² at a time making sure that the adhesive says WET and does not skin. Use a complimentary non-contrasting Adhesive colour with the pebble colour. A typical installation employs the following method - lay an entire row, then when laying the next row off-set the tile 33% similar to (brick bonding). Care should be taken to ensure that the horizontal lines stay straight and do not wave. A datum / laser line should be established every 300 mm to ensure a quality finish. Tiles may need fractional/minor adjustment to be evenly spaced up to the datum line.

Corners: Normally an aluminium L plate can is used, the L plate over hangs one wall by approx 13-14mm the tiles are laid into the L plate whereas the tiles on the other wall are fitted up to the back of the L plate.

Grouting: Tools required - hard bristle brush (50mm bristle floor scrubbing brush), sponge and a 100mm wide paint brush. Grout the tiles then remove 95% of the grout or as much as possible with the scrubbing brush (the more you remove the better the result) then smooth over the area with a damp paint brush, sponge off the remaining grout haze.

Sealers: It is recommended that the tiles are sealed with your choice of natural stone sealers. For example Lithofin MN Stain-Stop seals and keeps the stone relatively unchanged in appearance. MN Stain-Stop PLUS (the PLUS aspect is an added colour enhancer) intensifies the colour of the stone. It is advised to test your choice of sealer first in an area to ensure the chosen sealer is providing the desired finish. For your local stockist and further technical advice on Lithofin products call 01962 732 126 or visit www.lithofin.com

Cleaning: It is recommended that a PH neutral cleaner is used, be wary of acid based cleaners they will break down the sealer over time. PH Neutral cleaners available from Lithofin are Easy-Care (for general purpose maintenance) or Lithofin Wexa for a commercial clean, this probably is only needed at floor level where enthusiastic mopping may have tarnished the visual appearance of the bottom layer of tiles. Otherwise general dusting is all that may be required for the lifetime of the wall. Shower enclosures and floor installation will require routine cleaning with the above PH neutral products, definitely no bleach products allowed.

Disclaimer

Island Stone's scope of qualified information is limited to the tile itself. Island Stone is not an authoritative source of other manufacturer technical specifications. Island Stone has sought information from Ardex and Wedi systems and uses this information in good faith. Information with regards to fixing, adhesives, build standards or methods, substrate loadings, tolerances and engineering issues are outside of our scope of expertise. Contractors need to ensure by their own enquires that all aspects of installation abide by the latest building standards/interpretations and comply with the other suppliers recommendations.