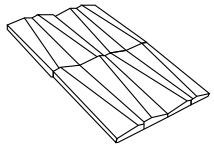
Island Stone®

Island Stone Ltd
Ground Floor, Solon House
40A Peterborough Road
London, SW6 3BN
0800 083 9351
sales@islandstone.co.uk
islandstone.co.uk

Dunes
Installation Guide



DUNES
(190 X 286mm)

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 tiles with adhesive weigh approximately 33 - 39 kg p/m2; the chosen substrate must have a suitable weight rating. The substrate must comply with drying times, as recommended in BS 5385 & BS 8204-1: 2003. We recommend Wedi products as per their installation guides as accredited under BBA certificate 00/3675 (see www.wedi.co.uk).

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 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 using Strip Cladding only, we recommend Wedi products as per their installation guides as accredited under BBA certificate 00/3675 (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. X77 is available standard in a Grey colour, or "X77 (W)" which is white. Ensure the adhesive is colour complementary to the stone colour, this assists in masking any joins or gaps (if any), especially important if butt joining method is used.

Wall - ARDEX MICROTEC X77 is recommended because it has enhanced properties of adhesion and flexibility when fixing these types 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.

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:

Installation Normally butt joined (no grout). Care should be taken to ensure that the horizontal lines stay straight and do not wave. A datum / laser line must be established every 200-300mm high to ensure a quality finish. Tiles below the datum line may need fractional/ minor adjustment to be evenly spaced up to the datum line.

External 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.

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 recommendation that PH neutral cleaners are 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 on floors periodically or walls at floor level where enthusiastic mopping may have tarnished the visual appearance of the bottom layer of wall tiles. Shower enclosures and floor installations will require routine cleaning with the above PH neutral products, definitely no bleach products permitted.

Disclaimer
The guidelines provided by Island Stone are limited to the tile itself. Island Stone is not an authoritative source on other manufacturer technical specifications. The information provided above has been gathered in consultation with Ardex, Wedi systems and Lithofin and issued in good faith. Specific Information with regards to fixing, adhesives, build standards or methods, substrate loadings, tolerances and engineering issues for individual projects are outside our scope of expertise. Contractors need to ensure by their own independent enquires that all aspects of installation abide by the latest building standards/interpretations and comply with the all other suppliers recommendations.

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