artisan EXTERIOR

INSTALLATION GUIDE

VERTICAL WALL CLADDING

[Preikestolen Vertical Wall Cladding]

Please note, all information given in this document should be considered as a guide only and should be checked against the relevant Australian Standards for trade practices at the time of installation.

All information is provided in good faith and should be used in conjunction with site specific considerations. Tips and Guides included do not replace the services of professional contractors/consultants, or the relevant manufacturer's technical data sheet or recommended method of application.

Artisan Exterior reserves the right to change, delete or otherwise modify any information in this document without prior notice.

CONTACT:

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1300 301 898
artisanexterior.com.au

PRODUCT CONSIDERATIONS:

Preikestolen Vertical Wall Cladding combines varying widths, lengths, thicknesses and interconnecting angular pieces of Granite formed over thousands of years in all types of weather conditions.

Colour variation or characteristics can vary from batch to batch. Samples should only be taken as indicative of colour and variation.

Artisan Exterior recommends inspecting all product upon delivery to ensure the colour and characteristics of the stone meet client expectation.

If the product received does not meet expectations, notify Artisan Exterior PRIOR to installation. Installation of the product constitutes acceptance of the product.

PRODUCT DESIGN:

Prior to beginning installation, please check that the correct layout for the product is being followed. Artisan Exterior recommends removing Preikestolen sets, checking the widths and interconnecting angles and assembling a dry formation on a horizontal surface PRIOR to beginning adhesion.

Some sawn edges may have small burrs, remove these with an angle grinder prior to installation. Contact Artisan Exterior if additional information is required.

STORAGE:

Upon delivery, we recommend storing uninstalled product in a dry, protected environment, away from exposure to weather and direct sunlight, single stacked on a firm level surface.

WALL/SUBSTRATE:

Note: A qualified engineer's advice may be required for structural certification, this is particularly important when considering the weight of Preikestolen Vertical Wall Cladding.

All substrates should be sound, dry and stable and thoroughly cleaned of any contaminants.

Off form concrete and tilt panel concrete should be free of any mould release agents, laitance or efflorescence deposits. Surface preparation such as grinding, abrasive blasting or high pressure water blasting may be required to achieve an open pored, textured substrate suitable for adhesion. The surface must be even and true with a variance of no more than 2mm every 4m, this may require application of an appropriate render (always follow manufacturer recommendations for application).

Concrete block and brick can be rendered (following the manufacturer's instructions for application) in accordance with Australian Standard requirements. The rendered surface should have a wood float finish. For steel troweled finished surfaces, ensure that the surface is mechanically or chemically abraded prior to beginning installation as required.

Render and concrete must be fully cured prior to installation.

CONTROL & MOVEMENT JOINTS:

Note: It may be necessary to consult a qualified structural engineer when considering the layout and design of control and movement joints.

Control or movement joints originating in the vertical substrate should be carried through the surface of the finished wall, uninterrupted, with a flexible, sealed joint. Joints should be added where the following are encountered:

1. Junctions between different substrate materials.
2. Internal vertical corners.
3. Along weakened plane joints.
4. At fixtures interrupting the stone surface (e.g. columns, beams, finished framework).
5. At horizontal and vertical joints (Approx 3m to 4.5m spacings).

WATERPROOFING MEMBRANE:

Based on design, location and usage, a waterproofing membrane may be required. A waterproofing membrane will minimize surface efflorescence and reduce swelling in the substrate caused by extended exposure to moisture.

For Preikestolen Vertical Wall Cladding Artisan Exterior recommends Ardex Waterproofing Systems.

Ardex: www.ardexaustralia.com

WEATHER CONSIDERATION:

Consider expected weather conditions prior to installation. Conditions below 10 degrees and above 30 degrees Celsius can inhibit adhesion or bonding, rain can cause excess moisture which in turn can weaken the bond strength of adhesive and grout.

Temperature ranges are indicative only, for further information, consult the relevant data sheet of the intended product(s) being used on-site.

CUTTING:

It is recommended to use a specialist, high-quality, product specific blade for cutting. Ensure the blade is compatible and approved for use in conjunction with the machinery you intend to use it with. Artisan Exterior recommends the use of a bench saw where possible.

Please note: Crystalline silica (silica) is found in sand, stone, concrete and mortar. It is also used to make a variety of products including composite stone, bricks, tiles and some plastics. When cutting, crushing, drilling, polishing, sawing or grinding products that contain silica, dust particles are generated that are small enough to lodge deep in the lungs and cause illness or disease including silicosis. Correct PPE should always be worn and work health safety measures adhered to.

For more information visit safeworkaustralia.gov.au

MECHANICAL FIXING:

Mechanical fixing is required when installing all pieces of Preikestolen Wall Cladding, from the ground up. Fixing should be carried out in accordance with the relevant Australian Standards.

For detailed information on mechanically fixing Preikestolen Vertical Wall Cladding, please contact Artisan Exterior.

ADHESION:

Adhesion should begin once mechanical fixing considerations and preparations have been completed.

Preikestolen Vertical Wall Cladding requires adhesion using a high strength Epoxy Adhesive. Artisan Exterior recommends Ardex WA100 two part epoxy for installation.

MIXING:

It is essential to use the correct mixing ratio of 1:1 Part A : Part B by volume. Transfer the measured amount of Part A to a suitable sized mixing container and add the equal amount of hardener Part B. Mix the two components thoroughly until a uniform mixture is obtained and the adhesive is ready for use.

Smaller quantities can be mixed by hand with a trowel, larger quantities can be mixed with an electric drill. Do not apply at surface temperatures below 10°C or above 35°C.

The pot life of the mixed adhesive is approximately 45 minutes at 23°C and 50% relative humidity.

FIXING

1. Ensure the substrate is clean, firm and free of dust, dirt, oil, grease, curing compounds, release agents and other barrier materials.
2. Apply a consistent layer of epoxy to the substrate using a 12x12mm notch trowel, work in controlled areas that align with the epoxy open time.
3. Back butter the entire surface of the stone and promptly apply to the notched epoxy bed.
5. Vertical progression should be made in alignment with the performance and curing time of the epoxy.
6. Avoid epoxy contact the finished face of the (work cleanly).

Artisan Exterior recommends Ardex WA100 two part Epoxy for Preikestolen Vertical Wall Cladding.

Ardex: www.ardexaustralia.com

CLEANING:

A final clean of your product should be undertaken once all grout and silicone joints have fully cured (see relevant manufacturer guidelines).

1. Remove excess dirt from the surface of the cladding.
2. Apply the appropriate cleaner* as outlined in the manufacturer guidelines.
3. Agitate the surface with a scrubbing brush and allow to sit as directed.
4. Remove the cleaner and rinse as outlined in manufacturer guidelines.

**Generally speaking, a final clean will require the removal of minor grout residue and surface staining. Each product has different requirements and will dictate which cleaning product is most appropriate. Please contact Artisan Exterior to determine the cleaner best suited to your project.*

Please note: Acid should never be used without consultation of Artisan Exterior. Acid can damage product surfaces, installation products and sealers and should therefore only be used when applicable.

Artisan Exterior recommends Aquamix Cleaning and Sealing Solutions.

Aquamix: www.aquamix.com.au

POST INSTALLATION SEALING:

Artisan Exterior recommends post installation sealing for all Natural Stone products and considers it an essential step to ensuring the longevity and beauty of the product. Manufacturer instructions should always be followed carefully to achieve the best results for appearance and protection of the stone. For more information on the most appropriate sealing options please contact Artisan Exterior.

MAINTENANCE:

All products will require some form of maintenance over time, this will vary from surface to surface and will be heavily dependent on use, location and product type. The product type and maintenance requirement may require cleaning only or a combination of both cleaning and sealing.

Please contact Artisan Exterior to discuss the best suited product to your needs.

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