

HINUERA NATURAL STONE

PURPOSE

Hinuera Natural Stone is supplied for use as veneer cladding, paving, window & door sills, stair treads, fire surrounds and internal decorative linings.

EXPLANATION

Hinuera stone is a naturally occurring volcanic rock (Ignimbrite), quarried at Hinuera in the Waikato. It is graded into four categories based on the strength, hardness, appearance which ultimately defines its end use. It falls within the range for heavy cladding materials (refer section 1, NZS 3604).

Other processing such as cutting, kiln firing (to create different tones or highlight naturally occurring markings) or creating different surface finishes (Sawnstone and Splitstone) have no effect on the physical properties of the stone.



For further assistance please contact:

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Category	Use						Light Reflectance Value	
	Veneer cladding	Paving	Window & door sills	Stair treads	Fire surrounds	Slips	Natural	Kiln Fired
Thickness	70, 90 mm	20, 25 mm	60 mm	40, 60 mm		25, 40 mm		
Ahi	✓					✓	42.53	25.18
Kaha		✓	✓	✓	✓	✓	42.90	
Select Statuary		✓	✓	✓	✓	✓	43.68	
Awa	✓					✓	46.12	31.14

SCOPE AND LIMITATIONS OF USE

Scope	Limitations
Location In all wind zones up to and including extra high as defined in NZS 3604:2011, or up to a calculated design wind pressure of 2.1 kPa. All exposure zones as defined in NZS 3604:2011.	➤ In exposure zone D and where the Hinuera stone is installed externally, the stone must be coated with HYDROL DB31 Silicone Water Repellent.
Building In connection with a primary structure that complies with the NZ building code or where the designer and/or installer have established that the existing building is suitable for the intended building work. As an external cladding.	➤ To be installed in accordance with section 9.2 of E2/AS1 or over a waterproof rigid substrate where the stone may be adhered with an adhesive or be mechanically fixed. ➤ Hinuera Stone slips must not be glued to plywood.
As an internal lining.	➤ To be installed over a rigid substrate where the stone may be glued with an adhesive or be mechanically fixed. ➤ Hinuera Stone slips must not be glued to plywood. ➤ In wet areas the rigid substrate must be impervious to moisture.

USEFUL INFORMATION

For design, installation and maintenance information, refer to hinuera.co.nz.

CONDITIONS OF USE

- › The Hinuera Stone must be installed by a qualified brick layer or stone mason.
- › Bagged trade mortar, using town-supply or rainwater, must be used to install the stone.

PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all Hinuera Natural Stone Ltd requirements, Hinuera Natural Stone will comply with or contribute to compliance with the following performance claims:

NZ Building Code clauses	BASIS OF COMPLIANCE	
	Compliance statement	Demonstrated by
B1 STRUCTURE B1.3.1, B1.3.2, B1.3.3 (a, f, h, j, q)	ACCEPTABLE SOLUTION B1/AS1	› Meets the requirements of NZS 4210:2001 which is cited in B1/AS1.
B2 DURABILITY B2.3.1 (b)	ALTERNATIVE SOLUTION	› Meets the requirements of B1/AS1. › BRANZ assessment of resistance of hineura stone to salt attack [BRANZ, 19/07/2005].
C3 FIRE AFFECTING AREAS BEYOND THE SOURCE C3.4 (a), C3.7 (a)	ACCEPTABLE SOLUTION C/AS2 1 st edition, June 2019	› Ignimbrite Rock is non-combustible. › Non-combustible products have a material group number of 1.
D1 ACCESS ROUTES D1.3.3 (d)	ACCEPTABLE SOLUTION D1/AS1	› Tested to AS/NZS 4586:2004 and achieves mean coefficient of friction of 0.82 [Safety Step, 2018].
E2 EXTERNAL MOISTURE E2.3.2, E2.3.5, E2.3.6, E2.3.7 (a, b, c)	ALTERNATIVE SOLUTION	› Hineura Natural Stone is directly comparable to E2/AS1 masonry veneer (brick). › Installed in accordance with section 9.2 of E2/AS1 or over a rigid waterproof substrate.
F2 HAZARDOUS BUILDING MATERIALS F2.3.1	ALTERNATIVE SOLUTION	› Does not contain or emit harmful materials.

SOURCES OF INFORMATION

- › BRANZ. (19/07/2005). *DC 0980. Resistance of Hinuera Stone to Salt Attack: Stage 111 – Durability after Hydrol Sealing.*
- › Hinuera. (04/2017). *Technical Guide. Version 7.*
- › Safety Step (NZ) Ltd. (2018). *Slip Resistance Test Report.* Tested to AS/NZS 4586:2004.

1. Where a standard is referenced it is to be read as amended by the acceptable solution or verification method as applicable. 2. Sources of information also include the Building Act 2004 and its regulations, including the Building Code (Schedule 1 of the Building Regulations 1992), Acceptable Solutions and Verification Methods, and relevant cited standards. 3. The product is not subject to a warning or ban under section 26 of the Building Act. 4. For overseas manufacturer details, where applicable, refer to the company that is the holder of this pass™. 5. The quality and assurance that the supplied products meet the performance claims stated in this pass™ are the responsibility of the company that is the holder of this pass™. 6. The availability of the information about the supplied products required to be disclosed under s14G(3) is the responsibility of the company that is the holder of this pass™.

Hineura Natural Stone Ltd confirms that if Hinuera Natural Stone is used in accordance with the requirements of this pass™ the product will comply with the NZ Building Code and other performance claims set out in this pass™ and the company has met all of its obligations under s14G(2) of the Building Act.

Date of first issue: 03/06/2020

Date of current issue: 25/03/2026

NZBN: 9429033642635



SCAN OR CLICK THIS QR CODE TO ACCESS OR REQUEST THE RELEVANT SUPPORTING DOCUMENTATION FOR THIS PASS™.

hinuera.co.nz/trade-resources



Kevin Brunton

Kevin Brunton, Technical Director, TBB confirms that the process used to prepare this pass™ on behalf of Hinuera Natural Stone Ltd has been undertaken in accordance with MBIE PTS guidelines and in accordance with the TBB pass™ process which is within the scope of TBB's ISO 9001 certification.

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