



Building Products Information Requirements (BPIR) - Designa Schist Masonry Veneer

Declaration

Sino Dutch Construction Materials Ltd (Trading as Creative Brick & Stone) has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

Product/System

Name	Designa Schist Masonry Veneer
Line	Natural quarried stone adhered to a concrete unit backing
Identifier	Designa Schist Grey Alps and Designer Schist Autumn Hue

Description

Designa Schist is supplied as a masonry unit that forms part of a masonry veneer system. The natural stone is quarried in the northern regions of China. This stone is adhered to the surface of these masonry units providing a unique stone cladding. This product comes in two basic colours being Grey Alps and Autumn Hue. Designa Schist Stone is manufactured in China in accordance with manufacturing standards AS/NZS 4455 and is suitable for use as a masonry unit in accordance with the acceptable solution E2/AS1 Masonry.

Scope of Use

Designa Schist is manufactured and designed to be used as a masonry veneer in accordance with NZS 3604 or E2/AS1. The New Zealand building code provides an Acceptable solution E2/AS1 Masonry, which provides the design requirements for masonry veneers on single storey residential buildings. For Two-Storey brick veneers, a specific engineered design will be required as this is outside the scope of NZS 3604.

E2/AS1 sets the limitations for Masonry Veneer heights in Section 9.2.3 and Figure 73B. It advises that masonry veneers with timber framing shall have a maximum height of veneer above finished ground level of 7m, a maximum height of 4m from the foundation and a maximum height of 5.5m to the apex of a gabled area. If the veneer is supported by a masonry structure, NZS4229:2001 permits a veneer height of 6.0 for the wall and up to 10m in a gable area.

Commercial Applications: There are many other ways masonry veneers used in commercial application. This can be done but they either become 'Alternative Solutions' to E2/AS1 Masonry which must be first approved and accepted by the BCA or 'Specific Design' which also must be approved and accepted by the BCA. For any masonry veneer design that is outside the scope of NZS 3604 we recommend that a specific design is obtained by a suitably qualified structural engineer to meet the requirements of the NZBC.

Conditions of use

Upon completion of the design process, it is important that the masonry veneer is installed according to the design specifications.

Designa Schist must be installed and/or inspected by a Licensed Building Practitioner (LBP) in the Bricklaying and Blocklaying Licensing Class. The masonry veneer must be installed in accordance with the guidelines and requirements for masonry veneer exterior cladding set out in SNZ HB 4236:2002. (Masonry Veneer Handbook) and in accordance with the Master Brick & Blocklayers "Brick Veneer Best Practice Guide".

Maintenance: Designa Schist is a natural product requiring very little maintenance. As this stone is manufactured into a masonry veneer there will be weep holes at the points according to the New Zealand Building Code. It is important to ensure that these weep holes are kept clean and free of debris and spiders.

Relevant building code clauses

B1 Structure - B1.3.1, B1.3.2, B1.3.3 (f, h, m), B1.3.4

B2 Durability - B2.3.1 (a), B2.3.2 (a, b)

C3 Fire affecting areas beyond the fire source - C3.5, C3.6, C3.7

E2 External moisture - E2.3.2, E2.3.5, E2.3.7

F2 Hazardous building materials - F2.3.1

Contributions to compliance

Designa Schist is fit for purpose and meets the requirements of the NZBC for durability. Provided the masonry veneer is installed in accordance with accepted trade practice and in accordance with the requirements of the NZBC, Designa Schist will satisfy the 50 year durability requirements for the E2 durability clause.

Designa Schist must be installed by a competent trade's person and in accordance with the guidelines and requirements for masonry veneer exterior cladding set out in SNZ HB 4236:2002. (Masonry Veneer Handbook)

For any masonry veneer design that is outside the scope of NZS 3604 we recommend that a specific design is obtained by a suitably qualified structural engineer to meet the requirements of the NZBC.

B1 Structural: Designa Schist is manufactured in accordance with the requirements of AS/NZS4455 and are regularly tested for compliance in accordance with AS/NZS4456 and therefore meet the requirements for loads arising from self-weight, earthquake, wind, impact and creep and shrinkage.

B2 Durability: B2.3.1(a) (ii) and (iii) and B2.3.2: Creative Brick & Stone guarantees that the Designa Schist will satisfy the 50-year durability requirements for the E2 durability clause.

C3. Spread of Fire: Designa Schist is non-combustible.

E2 External Moisture: Performance E2.3.2. Designa Schist is manufactured and designed to be used as a masonry veneer in accordance with NZS 3604 or E2/AS1. Acceptable solution E2/AS1 Masonry provides the design requirements for masonry veneers on single storey residential buildings.

F2 Hazardous Building Material: F2.3.1: Designa Schist is safe when handled. Care must be taken when cutting bricks, as dust generated may contain respirable silica.

Supporting Documentation

The following additional documentation supports the above statements:

Designa Schist Technical Brochure (Design, Installation)	Version 1	https://www.designaschist.co.nz
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For further information supporting Designa Schist Masonry Veneer claims refer to our website.

Contact Details

Manufacture location	Overseas
Legal and trading name of manufacturer	Confidential
Legal and trading name of importer	Sino Dutch Construction Materials Ltd (T/A Creative Brick & Stone)
Importer address for service	165a Great North Road, Wanganui 4501
Importer website	www.designaschist.co.nz
Importer email	christine@creativebrickandstone.co.nz
Importer phone number	06 345 2393

Responsible person

As the responsible person as set out in Regulation 3, I confirm that the information supplied in this declaration is based on information supplied to the company as well as the company's own processes and is therefore to the best of my knowledge, correct.

I can also confirm that Designa Schist Stone is not subject to a warning or ban under s26 of the Building Act.

Signed for and on behalf of **Sino Dutch Construction Materials Ltd (Trading as Creative Brick & Stone)** :



Bernard Reuters
Director
November 2023