EcoMarble® Product Introduction

6.5 mm Natural Stone Composite Panel | Premium Residential, Hospitality & Commercial Interiors

EcoMarble® | A Nusfun Brand

EcoMarble natural stone full-size sample display

1. Product Overview

EcoMarble® is a thin natural stone composite panel with a genuine natural stone visible face bonded to a cementitious composite backing. The standard panel has a nominal thickness of approximately 6.5 mm, comprising approximately 4.5 mm natural stone and approximately 2.0 mm cementitious composite backing. EcoMarble is positioned for premium residential, renovation, hotel, resort, office, retail and other commercial interior projects.

Visible surface	Genuine natural marble, limestone or travertine
Standard construction	Approx. 4.5 mm natural stone + approx. 2.0 mm cementitious composite backing
Nominal thickness	Approx. 6.5 mm
Standard size	1200 × 600 mm
Other sizes / finishes	Subject to stone, project and order conditions

2. Key Benefits of the Composite Structure

EcoMarble retains the natural veining, mineral character and visual depth of real stone while using a thinner composite structure that reduces natural stone consumption and overall panel load, providing greater flexibility for design, logistics, handling and selected renovation applications.

- Reduced natural stone consumption: achieves a genuine natural stone surface with a thinner stone face.
- Lighter handling: can reduce handling load per panel compared with traditional full-thickness stone.
- Transport efficiency: lower material weight can help reduce transport and site logistics burden.
- Installation efficiency: the thin composite format can suit selected renovation and interior fit-out workflows.
- Optimised overall project cost: appropriate projects may benefit from material, transport and installation efficiencies.
- Flexible applications: suitable for a range of premium residential, hospitality, office, retail and commercial interior surfaces.

3. Efflorescence, Colour Change and Cracking Risk

The composite backing separates the natural stone face from the cementitious substrate and provides stable support to the thinner stone layer. This design can help reduce the risk of efflorescence and colour change associated with moisture and alkaline migration in traditional wet-set conditions, as well as some cracking associated with localised stress. Actual performance still depends on stone type, substrate, waterproofing, adhesive system, detailing, workmanship and service environment.

Full-size samples showing different natural stone finishes

4. Typical Applications

- Premium residential and renovation: feature walls, TV/background walls, entries, selected bathroom walls, kitchen splashbacks and joinery finishes.
- Hotels and resorts: lobbies, reception areas, corridors, guest-area feature surfaces and selected wet-area walls.
- Office and commercial interiors: foyers, meeting areas, feature walls, shopping malls, retail spaces, showrooms and reception counters.
- Other applications should be assessed against substrate, environment, fixing method, structural safety and maintenance conditions.

5. Crystalline Silica and Fabrication Safety

The EcoMarble cementitious composite backing is formulated with 0% crystalline silica. The natural stone face may contain naturally occurring crystalline silica, so the complete panel should not be described as “0% crystalline silica” or “silica-free”. Cutting, drilling and grinding should use appropriate wet methods, dust control/extraction and personal protective equipment in accordance with applicable workplace requirements.

6. B2B Project & Channel Support

Through Nusfun, EcoMarble supports dealers, designers, builders, installers and project teams with product information, samples, project coordination and trade cooperation. Project enquiries can include drawings, substrate information, application area, estimated quantity and preferred stone to support further technical and supply coordination.