1. Product Appearance

EQUITONE [natura] PRO is a through coloured fibre cement base board, with semi-transparent coloured finish which results in the structure of fibre cement material shining through. The surface finish is matt with a double layer acrylic coating and a UV hardened PU top-coat (front side). Irregularities, differences in shade and traces of the manufacturing process are to be expected. This finish makes a hard surface, scratch resistant with "anti graffiti" protection.

2. Product Composition

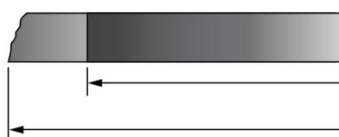EQUITONE [natura] PRO sheets consist of the following:
- Portland cement
- Minerals fillers
- Cellulose fibres
- Reinforcing fibres

3. Production Method

EQUITONE [natura] PRO sheets are manufactured on a Hatschek machine and are compressed and air-dried. The surface finish is an acrylic coating and a UV hardened PU top-coat (front side). This finish makes a hard surface, scratch resistant and "anti graffiti" protection for most kinds of vandalism. The rear receives a transparent back-sealing coating.

4. Dimensions

EQUITONE [natura] PRO is available in 8mm and 12mm thicknesses. The panels are available in either untrimmed or trimmed formats.

untrimmed

The panels that come off the production line have untrimmed (raw) edges. These panels are available for distributors with the proper equipment to allow them to cut and trim the panel for any project.

The panels are available in both untrimmed and trimmed formats. The untrimmed (raw) panel needs to be trimmed by approximately 15mm on all edges. The panel should not be installed with untrimmed edges.

Dimensions

| Not rectified untrimmed | 2530mm x1280mm | 3130mm x 1280mm |
| Rectified trimmed | 2500mm x 1250mm | 3100mm x 1250mm |

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For further information, please contact
Email: info.australia@equitone.com www.equitone.com
EQUITONE Australia, Suite 201/198 Harbour Esplanade, Docklands, 3008 Vic, Australia   page 1 / Mar 2021

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5. Colour

The allowable tolerance of shade between the EQUITONE [natura] PRO materials is measured according to a simplified CIELAB colour model and is minimal and this table gives the Mean Average of three readings.

EQUITONE [natura]PRO
Δ L Brightness (dry)	± 2.0
Δ a +red - green	± 2.0
Δ b +yellow - blue	± 2.0

6. Technical Properties

EQUITONE [natura] PRO cladding panels conform to the requirements of EN 12467:2012+A1:2016 "Fibre-cement flat sheets – Product specification and test methods". The results below are presented as defined by the standard.

Load perpendicular to the production direction

Load parallel to to the production direction

Technical Properties
Miniumum Density	Dry	EN12467	1650	kg/m³
Characteristic bending strength perpendicular	ambient	EN12467	24.0	N/mm²
Characteristic bending strength parallel	ambient	EN12467	18.5	N/mm²
Mean module of elasticity	ambient	EN12467	12,000	N/mm²
Hygric movement	30-90%	-	1.0	mm/m
Water absorption	0-100%	-	< 20	%
Moisture content	Air dried	EN12467	< 8	%

Classification
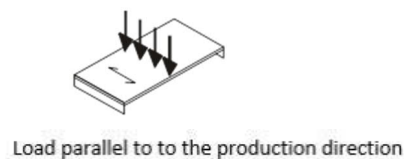|		
Durability classification	EN12467	Category A
Strength classification	EN12467	Class 4
Reaction to fire	EN13501	A2-s1,d0

Extra tests
Water impermeability test	EN12467	Pass
Warm water test	EN12467	Pass
Soak-dry test	EN12467	Pass
Freeze-thaw test for category A panel	EN12467	Pass
Heat-rain tests for category A panel	EN12467	Pass
Dimensional tolerances for Level 1 panel	EN12467	Pass
Thermal movement	-	0.01	mm/mK
Thermal conductivity	-	0.6	W/mK

Panel Weight (air dried)
Panel	Weight	2530mm x 1280mm	3130mm x 1280mm
8mm	15.4 kg/m²	49.9 kg	61.7 kg
12mm	22.8 kg/m²	73.8 kg	91.4 kg

Tolerances rectified trimmed
Thickness	8mm ± 0.6mm. 12mm ± 0.9mm
Length	± 1mm
Width	± 1mm
Squareness	± 1.0mm/m

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Performance to AS/NZS 2908.2(**)

Dimensional and geometrical tolerances	AS/NZS 2908.2	Compliant
Durability Classification	AS/NZS 2908.2	Type A
Bending Strength Classification	AS/NZS 2908.2	Category 5
Water Permeability	AS/NZS 2908.2	Compliant
Frost Resistance	AS/NZS 2908.2	Compliant
Warm-Water	AS/NZS 2908.2	Compliant
Heat-Rain	AS/NZS 2908.2	Compliant
Soak-Dry	AS/NZS 2908.2	Compliant

(**) Based on an independent assessment and ISO8336 indepentend testing

The EQUITONE [natura] PRO has the following properties:
- Oesterle scratch resistance 2.5 N
- Mohs hardness 4
- Pencil hardness 4H
- Indentation tes 6 N according to DIN 53153, EN ISO 2815

The UV-hardened surface coating is smooth and easy to clean. It offers high protection against normal and spray paints. The anti graffiti coating satisfies the placement test requirements and those of Test Cycle 2 of the quality control association Gütegemeinschaft Anti-Graffiti e.V. for protective anti-graffiti surface systems (ILF test report 4-013/2006 of the Institut für Lacke und Farben e.V.). Graffiti can be removed with the usual graffiti cleaning agents available in the trade.

7. Fire performance

Australia

EQUITONE facade materials are fibre cement sheeting, and as such are deemed non-combustible in accordance with the following clauses of the NCC, and may be used wherever a non-combustible material is required.

- C1.9e(iv) of the NCC 2019 Volume 1
- 3.7.1.1(d) of the NCC 2019 Volume 2
- C1.9e(iv) of the NCC 2016 Volume 1 (Amendment 1)
- 3.7.1.2(d) of the NCC 2016 Volume 2

EQUITONE fibre cement façade materials are classified as a 'Group 1' material in compliance with AS5637.1 and Specification C1.10 – Fire hazard properties, of the NCC 2019 Volume 1.

New Zealand

EQUITONE façade materials are classified as Type 'A' cladding materials and fully meet the fire properties requirements of external wall cladding materials as outlined in the Verification Method C/VM2 of the NZBC, with Peak Heat Release Rate (kW/m2) of less than (<) 100 and Total Heat Released (MJ/m2) of less than (<) 25 as determined in accordance with ISO 5660.1 at an irradiance of 50 kW/ m2 for a duration of 15 minutes.

EQUITONE façade materials are classified as a 'Group 1-S' fire resistant material in accordance with the Verification Method C/VM2 (Appendix 'A') and ISO5660, and as such are safe and suitable for internal lining and ceiling applications.

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8. Advantages

Providing the application guidelines are followed, EQUITONE fibre-cement sheets have the following superior mix of properties compared to other materials:
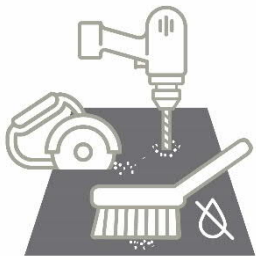- fire safe (no fire ignition, no spread of fire)
- sound insulating
- resistant to extreme temperatures and frost
- water resistant (if in compliance with application guideline)
- resistant to many living organisms (fungi, bacteria, insects, vermin, etc.)
- resistant to many chemicals
- environmentally friendly, no harmful gas emissions
- material appearance due to transparent coating
- strong, rigid panels
- Graffiti resistant

9. Applications

EQUITONE [natura] PRO can be used in the following applications:
- Façade: Rear ventilated façade cladding and detailing to window and doors
- Exterior ceiling: decorative cladding of ceiling
- Weatherboarding
- Eaves and verge boards
- Interior wall lining

10. Cutting and Drilling

Any cutting or drilling dust must be removed from the face of the panel immediately after cutting using a clean microfibre cloth otherwise the aesthetic aspect of the panel may be altered/affected as sawing and drilling dust contains cement and can cause permanent stains on the surface of the panels if allowed to dry in. Once the panel is installed it is recommended to use a clean microfibre cloth to gently remove any traces of dirt or dust that may have occurred during installation of the panel. Do not rub the surface and it may polish and damage the panel finish.

11. Health and Safety Aspects

During the mechanical machining of panels, dust can be released which can irritate the airways and eyes. Depending on the working conditions, adequate machinery with dust extraction and/or ventilation should be foreseen. For more information, please check the Material Safety Data Sheet. The reinforcement is achieved using synthetic, organic fibres of polyvinyl alcohol. These fibres are used in a similar form in the clothing industry for covering fabrics, for fleece materials and for medical fibres. A very important feature is that they are physiologically not problematic.

EQUITONE [natura] PRO is certified with an Environmental Product Declaration according to ISO 14025 (available from local support). The life cycle assessment includes raw material and energy production, the actual manufacturing phase, and the use phase of the fibre cement panels.

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12. Maintenance and Cleaning

For minor soiling, washing with a mild household detergent or soft soap solution followed by rinsing with clear water. Refer to EQUITONE cleaning and maintenance documents for further information.

WARNING
The use of abrasive materials, such as steel-wool, scourers etc. is not permitted as these cleaning items will leave irreparable scratches on the surface.

13. Certification

The manufacturer can - within the framework of the European Regulation N° 305/2011 (CPR) - present the Declaration of Performance (DOP) of the product such confirming that the product has a CE marking. The CE marking guarantees that the product is in accordance with the basic requirements determined by the harmonized European standard and applicable to the product.
The Declaration of Performance is presented in accordance with the CPR and can be found at www.infodop.com. The manufacturer is also ISO certified.

14. Information

Information on the different applications can be found in EQUITONE Design and Installation guides and technical documents. They can be found on EQUITONE website or can be obtained from local support.

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