1. Product Appearance

EQUITONE [tectiva] is a through coloured fibre cement panel with no coating. As the panel has an honest, pure and natural appearance, colour differences are possible. The surface of the sheet is characterised by fine sanding lines and white spots. The rear receives no back-sealing coating. The board receives a hydrophobation which prevents moisture ingress into the core of the panel.

2. Colour

The colour is throughout the sheet. Natural colour differences, possibly accentuated by the orientation of the sheet, the viewing angle and the effects of light and moisture, are possible. The sheet becomes a little lighter with aging. The surface of the sheet is characterised by fine sanding lines and white lines and other inclusions.

It is not possible to realistically show available colours in literature, therefore the final choice of colours should be made with samples. The risk of colour differences between the various sheets decreases when the whole quantity is ordered at once.

Colour differences are measured according to a simplified CIELAB colour model, by which only the lightness of the colour is checked. Tolerated colour differences on a face are $\Delta L = 5.0$ based of 5 measurements.

3. Product Composition

EQUITONE [tectiva] sheets consist of the following:

- Portland cement
- Selected mineral fillers providing extra smooth surface
- Organic reinforcing fibres
- Mineral and organic pigments
- Functional additives

4. Production Method

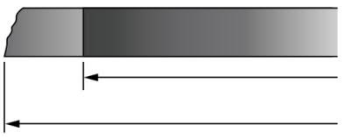
EQUITONE [tectiva] sheets are manufactured on a Hatschek machine, are double pressed, autoclaved calibrated and sanded. Afterwards EQUITONE [tectiva] is made water repellent on the front and back by means of a hydrofobation.

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

5. Dimensons

EQUITONE [tectiva] is available in 8mm thickness. The panels are available in either untrimmed or trimmed formats. The untrimmed (raw) panel needs to be trimmed by approximately 10mm on all edges. The panel should not be installed with untrimmed edges.

Factory trimmed panels are available in both standard and custom (MTO) trimmed formats. For internal applications where trimmed edges are within close viewing position the latter format may be more suitable. The standard factory trimmed edges may have a slight recess located towards the rear face of the panel.

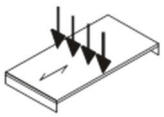


Dimensions

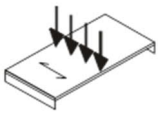
Not rectified untrimmed	2520mm x1240mm	3070mm x 1240mm
Rectified trimmed	2500mm x 1220mm	3050mm x 1220mm

6. Technical Properties

EQUITONE [tectiva] 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	1580	kg/m³
Characteristic bending strength perpendicular	ambient	EN12467	32.0	N/mm²
Characteristic bending strength parallel	ambient	EN12467	22.0	N/mm²
Mean module of elasticity	ambient	EN12467	14,000	N/mm²
Hygric movement (RH)	30-90%	-	<0.80	mm/m
Hygric movement (RH) oven dry to saturated	0-100%	-	1.6	mm/m
Water absorption of uncoated panels	0-100%	-	<25	%

Classification

Durability classification	EN12467	Category A	
Strength classification	EN12467	Class 5	
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	-	0.39	W/mK

Panel Weight (air dried)

Panel	Weight	2500mm x 1220mm	3050mm x 1220mm
8mm	14.9 kg/m²	45.4 kg	55.4 kg

Tolerances rectified trimmed

Thickness	8mm ± 0.5mm.
Length	± 3mm
Width	± 3mm
Squareness	± 1.0mm/m

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

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 (Amendment 1)
- 3.7.1.1(d) of the NCC 2019 Volume 2 (Amendment 1)
- 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.

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
- 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

In addition, EQUITONE [tectiva] has the following specific properties:

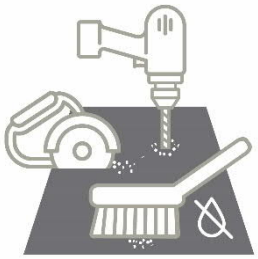
- Strong and rigid sheet
- Smooth aesthetic surface with natural hues
- Natural pure colour

9. Applications

EQUITONE [tectiva] 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 or brush 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 or brush to remove any traces of dirt or dust that may have occurred during installation of the panel.

11. Health and Safety Aspects

During the mechanical machining of panels, dust can be released which can irritate the airways and eyes. The inhalation of fine (respirable size) quartz containing dust, particularly when in high concentrations or over prolonged periods of time can lead to lung disease and an increased risk of lung cancer. 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.

EQUITONE [tectiva] 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.

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.

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.