

## 1. Product Appearance

EQUITONE [tectiva] is a through coloured 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  $\Delta L = \pm 5.0$  based of 5 measurements.

## 3. Product Composition

EQUITONE [tectiva] sheets consist of the following:

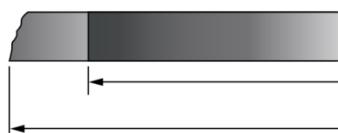
- Portland cement
- Selected mineral fillers providing extra smooth surface
- Organic reinforcing fibres
- Mineral and organic pigments
- Functional additives

## 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.

## 5. Dimensions

EQUITONE [tectiva] is available in 8mm thickness. The panels are available in either untrimmed or trimmed formats. The panel should not be installed with untrimmed edges.

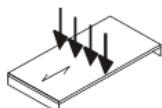


Dimensions

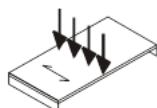
Not rectified untrimmed	2520mm x 1240mm	3070mm x 1240mm
Rectified trimmed	2500mm x 1220mm	3050mm x 1220mm

## 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 the production direction

### Technical Properties

Minimum Density	Dry	EN12467	1580	kg/m <sup>3</sup>
Characteristic bending strength perpendicular	ambient	EN12467	32.0	N/mm <sup>2</sup>
Characteristic bending strength parallel	ambient	EN12467	22.0	N/mm <sup>2</sup>
Mean module of elasticity	ambient	EN12467	14,000	N/mm <sup>2</sup>
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/m <sup>2</sup>	45.4 kg	55.4 kg

### Tolerances rectified trimmed

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

## 7. 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

## 8. 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

## 9. 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 Safety Data Sheet (based on 1907/2006/EC, article 31).

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.

## 10. Maintenance and Cleaning

For minor soiling, washing with a mild household detergent or soft soap solution followed by rinsing with clear water.

## 11. 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](http://www.infodop.com). The manufacturer is also ISO certified.

## 12. Information

Information on the different applications can be found in the Etex Façade application guidelines. They can be found on the website or can be obtained from local support. Information about external suppliers can also be downloaded from the local websites.

### Disclaimer

The information in this Material Information Sheet is correct at time issuing. However, due to our committed program of continuous material and system development we reserve the right to amend or alter the information contained therein without prior notice. Please contact your local EQUITONE Sales Organization to ensure you have the most current version.

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