

# EQUITONE [tectiva]

## Material Information Sheet

### 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. Product Composition

EQUITONE [tectiva] sheets consist of the following:

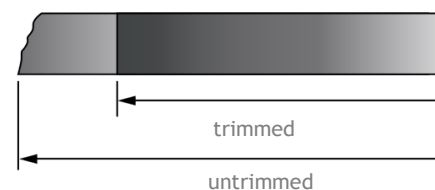
- Portland cement
- Selected mineral fillers providing extra smooth surface
- Organic reinforcing fibres
- Mineral and organic pigments
- Functional additives

### 3. 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.

### 4. Dimensions

EQUITONE [tectiva] is available in 8mm thickness. The panels are available in either untrimmed or trimmed formats.



Dimensions:

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

### 5. 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.

## 6. Technical Properties

EQUITONE [tectiva] cladding panels conform to the requirements of EN 12467:2012-12 “Fibre-cement flat sheets - Product specification and test methods“. The results below are presented as defined by the standard.

### Technical properties

|   |         |          |         |                   |
|---|---------|----------|---------|-------------------|
| Minimum Density                               | Dry     | EN 12467 | 1,580   | kg/m <sup>3</sup> |
| Characteristic bending strength parallel      | ambient | EN 12467 | 32.0    | N/mm <sup>2</sup> |
| Characteristic bending strength perpendicular | ambient | EN 12467 | 22.0    | N/mm <sup>2</sup> |
| Mean module of elasticity                     | ambient | EN 12467 | >14,000 | N/mm <sup>2</sup> |
| Hygric movement                               | 30-95%  | -        | 1.60    | mm/m              |
| Water absorption of uncoated panel            | 0-100%  | -        | <25     | %                 |

### Classification

|                           |            |            |
|---------------------------|------------|------------|
| Durability classification | EN 12467   | Category A |
| Strength classification   | EN 12467   | Class 5    |
| Reaction to fire          | EN 13501-1 | A2-s1, d0  |

### Extra tests

|                                       |          |            |
|---------------------------------------|----------|------------|
| Water impermeability test             | EN 12467 | Pass       |
| Warm water test                       | EN 12467 | Pass       |
| Soak-dry test                         | EN 12467 | Pass       |
| Freeze-thaw test for category A panel | EN 12467 | Pass       |
| Heat-rain tests for category A panel  | EN 12467 | Pass       |
| Dimensional tolerances for            | EN 12467 | Pass       |
| Thermal movement                      | -        | 0.01 mm/mk |
| Thermal conductivity                  | -        | 0.39 W/mK  |

### Panel Weight (air-dried)

|       |                        |                 |                   |
|-------|------------------------|-----------------|-------------------|
| Panel | Weight                 | 2500mm x 1220mm | 3050 mm x 1220 mm |
| 8mm   | 14.9 kg/m <sup>2</sup> | 45.4kg/panel    | 55.4kg/panel      |

### Tolerances rectified trimmed, in accordance with EN 12467

|                     |         |
|---------------------|---------|
| Factory supplied    |         |
| Thickness 8mm panel | ± 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
- 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 products are delivered with the KOMO-certificate. The manufacturer is also ISO certified.



## 12. Additional 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 Guidance Note is correct at time of issuing. However, due to our committed program of continuous product and system development we reserve the right to amend or alter the information contained therein without prior notice. Please contact your local EQUITONE Sales Organisation to ensure you have the most current version.

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