1. Product Appearance

EQUITONE [natura] is a through coloured base board, with semi-transparent coloured finish which results in the structure of fibre cement material shining through. The finished panel is both weatherproof and UV-stable. Irregularities, differences in shade and traces of the manufacturing process are to be expected. The rear receives a transparent back-sealing coating.

2. Product Composition

EQUITONE [natura] sheets consist of the following:

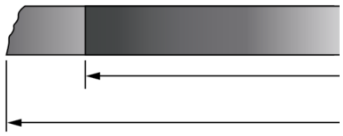
- Portland cement
- Minerals fillers
- Cellulose fibres
- Polyethylene fibre fillers
- Polyvinyl alcohol fibres

3. Production Method

EQUITONE [natura] sheets are manufactured on a Hatschek machine and are compressed and air-dried. EQUITONE [natura] is finished with two semi-transparent water-based acryl dispersions on the panel face (front) and a polyethylene wax on the back (rear).

4. Dimensions

EQUITONE [natura] 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 factory also provides a cutting service for customers who do not have the necessary cutting facilities. Approximately 15mm needs to be trimmed from the untrimmed (raw) panel to ensure correct squareness.

Dimensions

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

EQUITONE
Fibre cement facade materials

For further information, please contact
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Etex Exteriors Wellington Road Burton-upon-Trent Staffordshire DE14 2AA

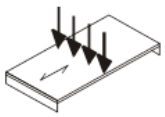
5. Colour

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

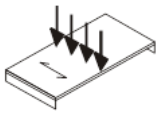
EQUITONE [natura]	
Δ L Brightness (dry)	± 2.0
Δ a +red - green	± 2.0
Δ b +yellow - blue	± 2.0

6. Technical Properties

EQUITONE [natura] 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/m²	61.7 kg/m²
12mm	22.8 kg/m²	73.8 kg/m²	91.4 kg/m²

Tolerances rectified trimmed

Thickness	8mm ± 0.6mm. 12mm ± 0.9mm
Length	± 1mm
Width	± 1mm
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 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

8. Applications

EQUITONE [natura] 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. 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). 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] 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.

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.

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. 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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