Summary Classification Report No. 22383M

PRODUCTS

EQUITONE Natura, Natura Pro, Textura, Pictura, Pictura Individual (Variants 1 & 2), Materia & Elementa

SPONSOR

ETEX GERMANY EXTERIORS GMBH

PRODUCT DETAILS

- Covered fiber cement sheets: EQUITONE Natura, EQUITONE Natura Pro, EQUITONE Pictura, EQUITONE Pictura Individual, EQUITONE Textura, EQUITONE Materia & EQUITONE Elementa
- With a thickness equal to or greater than 8 mm (- 0.8 mm)
- Nominal density of 1770 kg/m³, within a range of ± 150 kg/m³
- With a different surface texture (smooth or embossed)
- Valid for the following in mass coloured fiber cement base sheets: Super White/ Pure White, Natural grey, Anthracite, Cream White, Red and Titan.
- With or without surface finishings/coatings as described in §1b of classification report 22383L
- Colour of the surface finishings/coatings: Valid for all colours with a PCS-value lower than or equal to 3,8 MJ/m² (combination of primers and finishing coats on the visible side)
- With or without hydrophobation for the Natura and Natura Pro sheets: Blend 83 (type and amount is known by the laboratory)
- No use of fire retardants

FIELD OF APPLICATION

- The field of application for the products EQUITONE Natura, Natura Pro, Textura, Pictura, Pictura Individual (Variants 1 & 2), Materia & Elementa can be found in Annex 1

CLASSIFICATION

A2-s1,d0

STANDARDS

Test standard: EN ISO 1716:2010,EN 13823:2010+A1:2014 & EN 13823:2020+A1:2022.
Classification standard: EN 13501-1:2018

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This summary classification report has been drafted according to EGOLF agreement EGA 039:2021 “Application note: clause 7.8 [7.8/1] – Types of reports”. It has not been drafted under the requirements of EN ISO/IEC 17025 accreditation and is not valid to officially classify a product. The full classification report No. **22383L** is available at **ETEX GERMANY EXTERIORS GMBH**.
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ANNEX 1 – FULLY DETAILED FIELD OF APPLICATION (PART 1)

- Fiber cement sheets of the same type, but with different dimensions of length and width
- Fixed to wooden (including preservative treated wood) substructures
  - With open horizontal joints having a width of 12 mm or smaller (including a closed joint). These joints can either be left open or baffled with an aluminium or metal joint profile.
  - With open vertical joints having a width of 12 mm (tested joint width) or smaller
  - Vertical battens at the joints, and vertical intermediate battens are covered with an EPDM jointing strip (1 mm, 10 mm wider than the timber batten, specific weight approx.1,3 kg/m², reaction to fire class E). Also valid for another jointing strip with an equal or higher reaction to fire classification.
  - Fixed with all other types of mechanical devices such as metal screws, rivets and nails.
- Fixed to aluminium / metallic substructures
  - With horizontal joints having a width of 12 mm or smaller (including a closed joint). These joints can either be left open or baffled with an aluminium joint profile.
  - With vertical joints having a width of 12 mm (tested joint width) or smaller and a vertical aluminium profile behind them.
  - Without EPDM jointing strip at the vertical profiles
  - Including 6 mm x 9 mm PVC foam distance strip (ref. 4006465) between the aluminium vertical profiles and the fiber cement sheet
  - Also valid for another PVC foam distance strip with an equal or higher reaction to fire classification, for applications with aluminium or metal substructures.
  - Fixed with all other types of mechanical devices such as metal screws and rivets, including aluminium EQUITONE uni-rivets – used for the tested aluminium substructures, Etex aluminium EQUITONE rivets (same head size as the tested uni-rivets) & Etex steel EQUITONE rivets - used for metal substructures.
- Fixed at different (wider or closer) horizontal or vertical fixing centers
- Ventilated air gap in accordance with one of the following descriptions
  - With a ventilated air gap of at least 20 mm with insulation as tested (mineral wool 50 mm, density 70 kg/m³ ± 20 kg/m³).
  - Or with a ventilated air gap of at least 40 ± 1 mm directly behind the sheets and with other types of insulation of at least EURO class A2-s1, d0 (according to EN 13501-1:2018)
- Insulation in accordance with one of the following descriptions
  - Without thermal insulation in the cavity as long as a ventilated airgap of at least 40 ±1 mm directly behind the sheets is present.
  - Or with insulation as tested (mineral wool 50mm, density 70 kg/m³ ± 20 kg/m³).
  - Or with other types of insulation of at least EURO class A2-s1,d0 (according to EN 13501-1:2018) as long as a ventilated airgap of at least 40 ±1 mm directly behind the sheets is present.

ANNEX 1 – FULLY DETAILED FIELD OF APPLICATION (PART 2)

- Without rainscreen
- Substrate/backing board (layer behind the insulation): Euro class A2-s1, d0 or better; excluding paper f gypsum plasterboards, with a minimal thickness of 9 mm and a minimal density of 652,5 kg/m³
- System for concealed fixing:
  - With open horizontal joints having a width of 12 mm or smaller (including a closed joint). These joints can either be left open or baffled with an aluminium or metal joint profile.
  - With open vertical joints having a width of 12 mm (tested joint width) or smaller. These joints can either be left open or baffled with an aluminium or metal joint profile.
  - With an EPDM jointing strip (1 mm, 10 mm wider than the timber batten, specific weight approx.1,3 kg/m², reaction to fire class E). Also valid for another jointing strip with an equal or higher reaction to fire classification.
  - This system consists of horizontal aluminium profiles fixed to an aluminium or wooden vertical structure
  - Aluminum panel hangers are fixed to the back of the fiber cement sheet by using a specific stainless-steel anchor. All anchors for installing in the fiber cement sheets are stainless steel 316 grade A4. Material number 1.4401.
  - The fiber cement sheets with the pre-installed brackets are mounted onto the aluminium horizontal profiles.
  - The following systems are allowed (for more details – see EXAP report 22383J):
    1) Tergo+ (Fischer) system
    2) TUF-S (SFS) system
    3) Tergo (Keil + Karl) system