

ENVIRONMENTAL PRODUCT DECLARATION

as per ISO 14025 and EN 15804

Owner of the Declaration	Hume Cemboard Industries Sdn Bhd
Programme holder	Institut Bauen und Umwelt e.V. (IBU)
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Valid to	06/01/2019

PRIMA Fibre Cement Board
Hume Cemboard Industries Sdn Bhd




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Institut Bauen
und Umwelt e.V.



1. General Information

<p>Hume Cemboard Industries Sdn Bhd</p> <hr/> <p>Programme holder IBU - Institut Bauen und Umwelt e.V. Panoramastr. 1 10178 Berlin Germany</p> <hr/> <p>Declaration number EPD-HUM-20130186-IAD1-EN</p> <hr/> <p>This Declaration is based on the Product Category Rules: Fibre cement / Fibre concrete, 07-2012 (PCR tested and approved by the independent expert committee)</p> <hr/> <p>Issue date 07/01/2014</p> <hr/> <p>Valid to 06/01/2019</p> <hr/> <p style="text-align: center;"></p> <hr/> <p>Prof. Dr.-Ing. Horst J. Bossenmayer (President of Institut Bauen und Umwelt e.V.)</p> <hr/> <p style="text-align: center;"></p> <hr/> <p>Dr. Burkhard Lehmann (Managing Director IBU)</p>	<p>PRIMA Fibre Cement Board</p> <hr/> <p>Owner of the Declaration Hume Cemboard Industries Sdn Bhd No. 12 Jalan Tandang, 46050 Petaling Jaya, Selangor, Malaysia.</p> <hr/> <p>Declared product / Declared unit Per tonne of PRIMABOARD™</p> <hr/> <p>Scope: This EPD declaration is based on average PRIMABOARD™ manufactured by Hume Cemboard Industries Sdn Bhd. These products are produced in the manufacturing plants located in Petaling Jaya, Selangor and Ipoh, Perak in which the production data for 2011 was recorded. Life Cycle Assessment (LCA) was conducted based on the cradle-to-gate approach (A1-A3 Modules), where the entire production phase of the PRIMABOARD™ was considered in this LCA study. The owner of the declaration shall be liable for the underlying information and evidence; the IBU shall not be liable with respect to manufacturer information, life cycle assessment data and evidences.</p> <hr/> <p>Verification</p> <p>The CEN Norm EN 15804 serves as the core PCR</p> <p>Independent verification of the declaration and data according to ISO 14025</p> <p><input type="checkbox"/> internally <input checked="" type="checkbox"/> externally</p> <hr/> <p style="text-align: center;"></p> <hr/> <p>Mr Carl-Otto Neven (Independent tester appointed by SVA)</p>
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2. Product

2.1 Product description

PRIMABOARD™ are cellulose fibre reinforced cement boards, which consist of Portland cement, finely ground sand, softwood cellulose fibres, additives and pigments (optional). They are autoclaved curing to increase the durability, flexibility and dimensional stability.

PRIMABOARD™ present consumers with a material that is structurally durable, resistant to weather, water, fire, termites, rodents, and mould. The PRIMABOARD™ is highly versatile and its compositional strength makes it a commercial alternative to conventional building materials such as gypsum and wood.

The products for declaration are materials for construction that consist of cement, sand, pulp fibre, and water. The declared products for certification cover all aforementioned products. All declared PRIMABOARD™ were manufactured under the same manufacturing method with differences in the geometry data. The declaration of specific products as an average from these two manufacturers' plants (in accordance to *PCR Part A – EPD Type 1d* "Declaration of an average product as an average from

several of the manufacturer's plants", one producer with 2 manufacturing plants):

- Hume Cemboard Industries Petaling Jaya, Selangor, Malaysia
- Hume Cemboard Industries Ipoh, Perak, Malaysia

The declared PRIMABOARD™ products include:

- PRIMAFlex™
- PRIMApLank™ / HUMEplank™
- PRIMABase™
- PRIMAliner™
- PRIMAAqua™
- PRIMAlux™
- PRIMA Ceramic Tile Underlay™
- PRIMABacker™ / HUMEbacker™
- PRIMAraya™
- PRIMAvent™
- PRIMAlattice™ / HUMElattice™
- PRIMAsenepa™