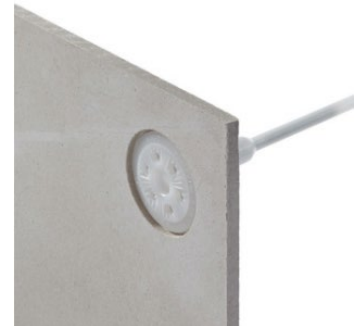


ETICS Wall Protection Board 3680

-Based on calcium-silicate, to increase mechanical resistance on areas that are particularly at risk of impacts in Brillux ETIC systems



Field of application

As an additional measure to increase mechanical resistance on areas particularly at risk of impacts, e.g., base areas, passageways, house entryways, etc. Can be used in all Brillux ETIC Systems.

Properties

- Based on calcium-silicate
- Dimensionally stable
- Aging-resistant
- Diffusible
- Asbestos-free
- "Nichtbrennbar A1" (non-combustible) in accordance with DIN 4102
- Increases the mechanical resistance of areas at risk of impact in the ETIC system

Material description

Color shade	Cement gray
Base material	Calcium silicate with mineral filler materials
Bulk density	Approx. 1.35 g/cm ³
Board weight	Approx. 12.96 kg/m ²
Compressive strength	Approx. 7.7 N/mm ²
Rated thermal conductivity λ	0.19 W/(m·K)
Reaction to fire	"Nichtbrennbar A1" (non-combustible) in accordance with DIN 4102
Water-vapor-diffusion resistance value μ	Approx. 19
Water-vapor-diffusion resistance Sd (H2O)	Approx. 0.15 m, with board thickness 10 mm

Material description

Board thickness	10 mm
Edge formation	Blunt
Board format	Length 1250 mm, width 622 mm
Packaging	Unit (0.78 m ² /board)

Storage

Dry and level, store individual boards carefully.

Use

- Prerequisites**
Flush surface
- In order to achieve a consistent, uniform surface for facade insulation, the thickness of the facade insulation boards being installed must be 1.2 cm thinner than the usual thickness in areas where the ETICS Wall Protection Board 3680 is to be additionally applied. We recommend the following methods for achieving this:
In the areas where ETICS Wall Protection Board 3680 is to be used, the ETICS insulation boards should be 1 cm thinner, and the adhesive layer should be reduced by approx. 0.2 cm. In the transition area to the facade insulation without wall protection boards, the thickness of the insulation boards that are only partially covered by ETICS Wall Protection Board 3680 should be reduced by 1.2 cm with suitable tools. ETICS hard foam insulation boards can be cut with a hot cutting device, ETICS mineral wool insulation boards and stone lamella insulation boards with the Insulation Material Knife 1757. The ETICS insulation boards must be installed in accordance with the instructions.
- Bonding**
- The gluing of the ETICS Wall Protection Board 3680 is undertaken once the insulation board bonding has cured (after 3 days at the earliest, at +20°C, 65% relative humidity) on clean, dry, offset-free and level insulation board areas, using ETICS Powder Adhesive 3550. To do this, apply the adhesive to the entire surface of the (already glued) insulation boards, using a 10 x 10 mm notched trowel and insert the wall protection board into the still wet adhesive bed, spreading it over the entire surface, and press it down. In the case of ETICS Mineral Wool Insulation Boards, a thin "Press Filling" must first be applied. We recommend applying the ETICS Wall Protection Board 3680 horizontally. Ensure sufficient offset in the joint area; cross joints must not be formed. In addition, the wall protection boards must cover the joint areas of the insulation boards (with sufficient overlap) such that there are no continuous joints. Any unevenness in the transition area to the insulation material must be sanded smooth over a broad area. The ETICS Wall Protection Board 3680 may be used for a continuous surface up to a total height of 3 m.
- Cutting to size**
- The ETICS Wall Protection Board 3680 can be cut to size using suitable saws, e.g. handsaws, jigsaws or circular saws (carbide-tipped saw blades). We recommend using equipment with dust extraction.

Anchoring	<p>The ETICS wall protection boards must always be anchored with approved ETICS screw anchors. This also applies to installing ETIC Systems on substrates which are only suitable for bonding or if constructive anchoring is recommended.</p> <p>Anchoring is via the pre-milled anchor points in the wall protection board. We recommend that anchoring be performed as part of bonding to prevent the wall protection boards from sliding out of position and the board edges from lifting.</p> <p>Number of anchors: 5.0 anchors/board, corresponds to approx. 6.4 anchors/m² (1.0 anchor in the middle of the board, 4.0 anchors in the corner areas of the board).</p> <p>When cutting to size, the number and distribution of the anchors must also be taken into consideration. To this end, the anchor points for setting anchors in the wall protection boards must be additionally reamed after drilling. For this purpose, an indentation of approx. 3 to 4 mm that is centered over the drill hole must be milled out with the Milling Crown 3681 such that the anchor washers are flush with the wall protection board. For anchoring, read and follow the instructions in the ETICS anchor Data Sheets.</p>
Reinforcement	<p>The reinforcement plaster is to be selected based on the specifications of the respective ETICS system, in coordination with the further system build-up. The reinforcement plasters can be applied directly to the ETICS Wall Protection Board 3680.</p>
Coating	<p>After sufficient drying of the reinforcement, the subsequent top coating is applied in accordance with the specifications of the respective ETIC system.</p>
Consumption	<p>Approx. 1.28 boards/m² (without offcuts).</p>
Application temperature	<p>The specifications are based on the information for ETICS Powder Adhesive 3550.</p>

Notes

In case of exposure to prolonged weathering	<p>In case of exposure to prolonged weathering, e.g. in the course of large construction projects, the ETICS Wall Protection Boards 3680 must be protected by a protective coating of, e.g., Render Primer 3710.</p>
Further information	<p>Follow the instructions in the data sheets of the products used.</p>

Remark

This Data Sheet is based on extensive development work and years of practical experience. The translation corresponds to the current German version, in compliance with the German laws, regulations, standards and guidelines. Its content does not constitute a contractual legal relationship. The user/buyer is not released from the responsibility of checking our products to ensure they are suitable for the intended application. In addition, our general terms of business apply.

When a new version of this Data Sheet with updated information is published, the previous version no longer applies. The current version is available on our website.

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