Hämeenkatu 9
05800 HYVINKÄÄ
Tel. 020 789 5900
www.fescon.fi

SILICATE BOARD SKL



CE NEW!

Product description

Non-combustible, fibre-free and mineral-based thermal insulation board made from natural materials for interior insulation.

- Excellent thermal insulation properties
- Easy to work with
- Capillary active
- Vapour-permeable
- Ecological manufacturing process

Products are always delivered in full pallets. Pallet sizes for stocked thicknesses: 33.66 m^2 / board thickness 5 cm, 16.80 m^2 / board thickness 10 cm. The minimum delivery quantity for made-to-order products is 4 pallets.

Applications

- Interior thermal insulation of mineral-based exterior walls, e.g. earth-contact walls, concrete, lightweight concrete (Siporex) and block walls, as well as solid brick façades
- Interior thermal insulation of mineral-based ceiling surfaces (e.g. brick vaults)

Instructions

Substrate

The mineral substrate must be even, clean, load-bearing and suitable for bonding the boards. Old paint, salts, bitumen coatings, etc. must be removed. If necessary, the substrate can be pretreated with Fescon Silicate primer to equalise absorption. The substrate must be moistened (to a matte-damp condition) before installing the boards. Any damage or water leaks in the substrate must be repaired before the installation of the silicate boards.

Board handling and installation

The Fescon Silicate Board SKL can be cut with a handsaw and shaped using standard woodworking tools. Before installation, any unevenness in the substrate must be levelled with a suitable mortar, such as Fescon Socle and adjusting plaster SOL, Indoor lime-cement plaster SR 7, or Repair concrete RKB
The boards are installed in a brick bond pattern and fixed to the substrate using Fescon Adhesive and surface render. The adhesive coverage must be 100%, which is ensured by applying the mortar both to the substrate and to the back of the board.
Install the boards so that the red-coloured side faces outwards.

Finishing

The boards are levelled with Fescon Adhesive and surface render., reinforced with Fescon Fibreglass mesh. After the finishing coat has dried, the surface is painted with Fescon Interior silicate paint.
For detailed instructions, refer to the Fescon SKL Silicate Board Installation Guide.

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Waste handling

EU waste register: 060299

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Technical information

Material usage	Approx. 4.3 boards / m^2
Aggregate	Lime, sand
Colour	White
Density	Approx. 110 kg/ m^3
Compressive strength	≥ 300 kPa
Tensile strength	0,07 N/mm^2 (70KN/mm^2)
Reaction to fire	A1 EN13501-1:2007+A1: 2009
Heat conductivity	D23/50 = 0.043 W/(mK) design = 0.045 W/(mK)
pH	10-11
Water vapour permeability	μ = 3
Size	**Board size / Packaging**Stock products 60 x 39 x 5 cm – 8 boards / pkg (18 pkgs / pallet 33.66 m^2) 60 x 39 x 10 cm - 6 boards / pkg (12 pkgs / pallet 16.8 m^2) Product deliveries on full pallets.Custom-order products 60 x 39 x 6 cm - 10 boards / pkg (12 pkgs / pallet 21.06 m^2) 60 x 39 x 8 cm - 5 boards / pkg (18 pkgs / pallet 16.85 m^2) 60 x 39 x 12 cm - 5 boards / pkg (12 pkgs / pallet 14.05 m^2) 60 x 39 x 14 cm - 4 boards / pkg (12 pkgs / pallet 11.23 m^2) 60 x 39 x 16 cm - 3 & 4 boards / pkg (6 pkgs / pallet 9.83 m^2) 60 x 39 x 18 cm - 3 boards / pkg (12 pkgs / pallet 8.42 m^2) 60 x 39 x 20 cm - 3 boards / pkg (12 pkgs / pallet 8.42 m^2) Product deliveries on full pallets. Confirm the delivery schedule for custom-order products with Fescon customer service.

Limitation of liability, product use notes and restrictions: Please familiarize yourself with Fescon Oy's general terms of delivery and the design and work instructions related to the product.