Technical data sheet

STEICO*universal black*

Bitumised wall board for cladding systems



Dark wood fibre wall board for cladding systems

- Attractive façade appearance thanks to dark-coloured underlay, e.g. when using rhombus cladding
- Particularly durable thanks to UV-stable bitumen treatment
- Deep bituminisation, perfect appearance even with superficial damage to the board
- No additional façade membrane required
- Diffusion-open for increased structural safety
- Wood from responsible forestry - PEFC certified

Application area

- Bituminized wall construction panel for curtain walls with joints
- Windproof tongue and groove connection
- No additional external sheeting required for curtain walls with joints

Technical data

Produced and supervised according to	EN 13986 and EN 622-4
Board designation	SB.E-E1
Fire class (RTF) according to EN 13501-1	E
Permanent temperature range	≤ 100 °C
Thermal conductivity λD according to DIN EN 13986	0.050 W/(m*K)
Density	~ 260 kg/m³
Water vapour diffusion resistance factor μ	5 (according to EN 13986)
Short-term water absorption	≤ 1.0 kg/m²
Specific heat capacity	2,100 J/(kg*K)
Compressive strength at 10% compression δ_{10}	0.15 N/mm²
Compression strength	≥ 150 kPa
Manufacturing process	wet process / utilisation of the wood's own lignin for panel bonding
Ingredients	Wood fibre, aluminium sulphate, bitumen
Outdoor exposure	12 weeks

Additional technical data

Thickness [mm]	Declared thermal resistance [(m²*K)/W]	s_d value [m]
22	0.40	0.11
35	0.70	0.18

Technical data sheet

STEICO*universal black*

Bitumised wall board for cladding systems

Bonded carbon

CO_2-storage

During growth, trees absorb carbon dioxide (CO_2) and split the molecule into carbon (C) and oxygen (O_2). The carbon is bound in the wood. The amount of bound carbon (C) is therefore also referred to as CO_2 equivalent (CO_2eq). As long as the wood is used in the form of wood products, the carbon remains bound and is removed from the atmosphere.

Biogenic carbon content in the product according to EN 15804+A2	approx. 420 kg CO_2eq/m³

Forms of delivery

Handy formats, e.g. for construction site assembly

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Length net [mm]	Width net [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m²]	Coverage/pal. net [m²]
22	T+G	2230	600	2210	585	52	69.576	67.228
35	T+G	2230	600	2205	575	64	85.632	81.144

Weight and packing

Handy formats, e.g. for construction site assembly

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Weight/ m²[kg]	Weight/pcs. [kg]	pac./pal. paper/ cardboard (approx) [kg]	pac./pal. plastic (approx) [kg]	pac./pal. wood (approx) [kg]	Weight./pal. (approx.) [kg]
22	T+G	2230	600	5.70	7.3	0.05	5.5	15.4	405
35	T+G	2230	600	9.10	11.5	0.05	4.5	27.1	775

Notes

Storage

- Store wood fibre boards horizontally, flat and dry
- Protect edges from damage
- Only remove the film packaging when the ambient climate is dry and keep the pallet packing label
- Maximum stacking height: 4 pallets

Disposal

Waste cuttings:
- Waste code according to 2014/955/EU: 03 01 05

Dismantling:
- Waste code according to 2014/955/EU: 17 02 01

Cutting

- The boards can be cut to size using the STEICO*isoflex cut combi* cutting table or a band saw, circular saw, jigsaw and other wood-cutting tools.

Occupational health and safety

- Comply with local regulations for the processing of wood-fibre material
- Suitable protective measures must be taken when cutting the wood fibre insulation boards. (dust extraction, dust mask)

STEICO*universal black*

Bitumised wall board for cladding systems

Installation

- No additional taping of the tongue and groove joints necessary
- When laying, the groove must face upwards
- The remaining pieces of the various rows are started in the next subsequent rows
- For a panel thickness of 22 mm, an offset of 600 mm is recommended; for 35 mm, 250 mm is recommended
- The 22mm panel is not approved for air injected insulation
- The maximum axial dimension of the timber studs with a 22 mm thick panel is 62,5 cm
- The maximum axial dimension of the timber studs with a 35 mm thick panel is 83,3 cm
- For length over 20 metres, expansion joints must be planned
- They are temporarily mounted using nails or staples. Permanent installation is ensured by screwing through to the underlying structure. (screw statics required)
- Butt joints and penetrations should be carried out with STEICO*multi primer* and STEICO*multi tape black*
- All curtain walls must allow for rear ventilation in accordance with regulations
- The joint width for vertical formwork must not exceed 8 mm
- The joint width for horizontal formwork must not exceed 7 mm

Certificates and quality management

CE

PEFC
PEFC/04-31-2550
Promoting Sustainable Forest Management
www.pefc.org

Caption

other abbreviations

pal. Pallet
T&G Tongue and Groove
pac. Packaging
approx. Approximately
SE square edge
Pcs. Pieces
EUR Europe

Technical data sheet

STEICO*universal black*

Bitumised wall board for cladding systems

Compliance

Responsible for content
STEICO SE
Otto-Lilienthal-Ring 30
85622 Feldkirchen
Germany
Web: www.steico.com
Mail: info@steico.com

Version: 3
Date: 2026-09-21

Liability disclaimer

The contents of this document have been compiled with the utmost care. However, applicable standards and regulations can change. STEICO accepts no liability for the accuracy, completeness and current applicability of the standards and regulations presented. Always check compliance with standards and regulations and the suitability of our products for the specific intended use, and make any necessary adjustments during installation.

STEICO accepts no responsibility for the completeness, accuracy or quality of information provided by third parties.

Regional document validity: EU*

***Additional Validity Information**

The contents of this document have been prepared in consideration of European product standards and provide a general overview of component structures, construction methods, and installation. Local applicable regulations have not been considered.

The most recent version of this document applies. This version can be found at:
www.steico.com/tds_steicouniversalblack_eur_en