STEICO universal black

Bitumen impregnated sarking and sheathing board

- Bitumised wall board for open cladding systems
- Weathering protection without a membrane
- Produced in wet process
- approx. 260 kg/m³. λ_D 0.050

Application area

- Bituminized wall construction panel for curtain walls with joint components

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 [°C]	≤100
Thermal conductivity λD according to DIN EN 13986 [W/(m*K)]	0.050
Thermal resistance R [(m²*K)/W]	0,40(22) / 0,70(35)
Density [kg/m³]	approx. 260
Water vapour diffusion resistance factor μ	5 (according to EN 13986)
Short-term water absorbtion [kg/m²]	≤ 1.0
Specific heat capacity [J/(kg*K)]	2,100
Compressive strength at 10% compression δ_{10} [N/mm²]	0.15
Compression strength [kPa]	150
Manufacturing process	wet process / utilisation of the wood's own lignin for panel bonding
Ingredients	Wood fibre, aluminium sulphate, bitumen
European Waste Code (EWC)	030105/170201, disposal as wood and wood-based materials, waste wood category A II
Outdoor exposure	12 weeks
Bonded carbon [kg CO_2 equivalent./m³]	420

Additional technical data

Thickness [mm]	s_d value [m]
22	0.11
35	0.18

Technical data sheet

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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	4.60	1.2	21.6	410
35	T+G	2230	600	9.10	11.5	3.80	1.2	29.0	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

- Disposal of offcuts: Waste code (EWC / AVV) 170201/030105, disposal as wood and wood-based materials, waste wood category II
- Disposal after dismantling: Waste code (EWC / AVV) 170201/030105, disposal as wood and wood-based materials, waste wood category II

Cutting

- The boards can be cut to size using the STEICO*isoflex cut combi* cutting table or a band saz, 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)

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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

- This document is based on the German technical data sheet and is intended for general information purposes in an international context. National regulations and building codes must be additionally observed.

Certificates and quality management

CE PEFC Quality Management ISO 9001:2015 Environmental Management ISO 14001:2015

Caption

other abbreviations

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