HOMATHERM®
der evolutionäre dämmstoff

Energie:Plus comfort

The homogeneous plaster base panel for timber framing

Wood fibre insulation board
WF-EN 13171-T4-CS(10/Y)100-TR7,5-WS1,0-MU3-AF100

Main areas of use

- Exterior insulation on the wall under plaster and attached directly onto timber framework
- Insulation for timber framing and wood panel constructions
- Interior insulation on walls attached directly onto timber studwork

- **Application types according to DIN EN 4108-10:** exterior wall insulation; exterior wall insulation under plaster; insulation for timber framing and wood panelling; interior wall insulation

►Store FD- Q11 protect in a dry place. The rainproof packing should only be removed shortly before use. This protects boards against environmental impacts such as damp, dust and damage to edges.

- FD-Q11 protect is delivered on pallets. A forklift with a suitable hoist is required for unloading at the building site and sufficient space is required for storage.

Formats

Lieferform	Homogene Platten					
Kantenprofil	stumpf			Nut und Feder		
Liefer- und Berechnungsmaß [mm]	1250 x 600	2600 x 1250	2800 x 1250	1325 x 615	2625 x 1205	2625 x 615
Deckmaß [mm]	---			1300 x 590	2600 x 1180	2600 x 590
Dicken der Standardartikel [mm]	22	40, 60, 80		40, 60, 80, 100	40, 60	
Dicken der Ergänzungsartikel [mm]			40, 60, 80	120	80	40, 60, 80

Cutting

- Circular saws
- Jig saws
- HOMATHERM® knife for trimming to size

Accessories for FD-Q11 protect

Before installing FD-Q11 protect, sill beams need to be in place and you will require fasteners and joint sealing tape(BG 2 joint tape).

Only approved products for the plastering system which will be applied afterwards should be used.

HOMATHERM offers sill beams as well as seating screws for all the aforementioned formats and can provide information concerning what type of wide-crown staple to use.

A comprehensive catalogue is available for queries regarding detail.

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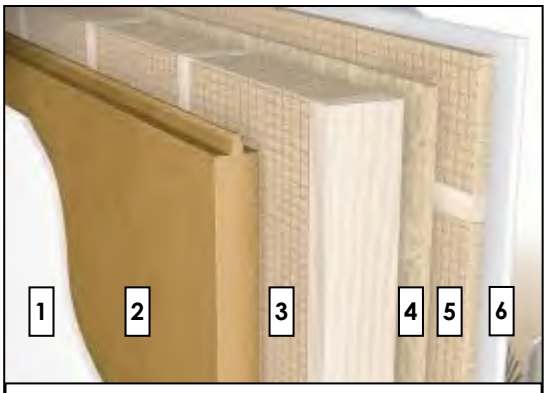
Application

As exterior insulation under plaster attached directly to timber studwork

Details regarding joints between FD-Q11 protect and adjacent structural elements or intersections must be planned very carefully. Later extensions to façades, such as exterior lighting (electric cabling, window sills, etc.), must be taken into account at the planning stage. The same applies when installing heavy objects, such as canopies. Suitable anchorage points should be provided in the timber structure in such cases.



Structure from exterior to interior:
1-Plaster, **2-FD-Q11 protect**, 3-Timber stud with holzFlex® standard, 4-OSB board, 5-Battens with holzFlex® standard, 6-Interior facing

- The boards must be installed in a dry condition across the whole surface and without gaps. Both sides of the board can be used.
- Decide on the plinth height (splash water reach min. 300 mm) and horizontal installation of the sill beam. The sill beam guards FD- Q11 protect against rising damp. The board is fastened to the sill plate at intervals of 500mm. Joints in sill beams should be professionally bridged with sill beam connectors (2mm expansion joint). Joints should then be sealed with butyl rubber tape from above.
- Air space around FD-Q11 protect is not recommended - if necessary, seal the sill beam with joint sealing tape.
- Special measures should be taken in the area exposed to splash water in accordance with DIN standards. These could be measures in the plaster coating or the inclusion of perimeter insulation. They can be attached to the sill beam using a building joint and sealed with BG2 joint sealing tape which seals against wind and driving rain.
- FD-Q11 protect is attached directly onto the supporting timber studs (stud width ≥ 60 mm). Ensure that sill beams, reveal boards and exterior corners are flush and perpendicular when fitted.
- 22 mm FD-Q11 protect is only used as a reveal board. The minimum thickness for FD- Q11 protect is 40 mm. Please observe the maximum dimensions between centre lines below.

Maximum dimensions between centre lines in timber studs

Board format		max. measurement between centre lines
T + G	1300 x 590 x 40- 120 mm	625 mm
T + G	2600 x 1180/590 x 40 mm	625 mm
T + G	2600 x 1180/ 590 x 60/ 80 mm	815 mm
Square-edge	2800/2600 x 1180 x 40 - 80 mm	625 mm

- Boards should be fitted together as a group. The vertical board joints should be staggered by at least 300 mm. Floating joints are acceptable in the case of T + G boards. Each board should be attached to at least two studs.
- Large format square-edge panels must always be abutted over the stud.
- Do not fill gaps with plaster, use slithers of the same material to do that. It can be glued into place with MS-polymer sealant. If required, these joints can be sanded afterwards, using a hand sander with coarse grit.

Securing with staples (fig. 2)

- Use approved rustproof wide-crown staples (such as **Herbold**, BS 29000; **Prebena** , WP 75 to WP 130 CRFAH) to attach FD-Q11 protect boards up to 100 mm thick.

- The staples must penetrate the timber studs by at least 30 mm. The staples must be tacked at a maximum vertical interval of 100 mm and should be driven into the FD-Q11 about 2 mm deep. When attaching FD-Q11 protect to the timber substructure, the distance from the staple leg edge to the fibre board edge is 7 x dn. The distance from the staple leg edge to the substructure edge is 5 x dn. There must be at least 16 staples per square metre across the surface and 20 staples per square metre along the edges. Depending on the building's location, the number of staples may be higher in accordance with local building regulations and after taking the local climate into account.

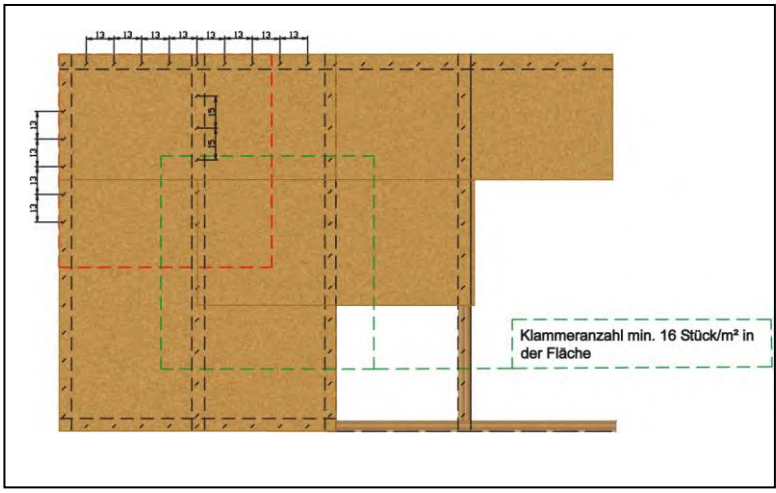


Fig. 2) Securing with staples

Securing with seating screws (fig. 3)

- Approved seating screws can also be used in accordance with local building regulations.
- When using seating screws, the head must be at least 60 mm in diameter.
- The minimum penetration depth into a stable subsurface is ≥ 40 mm. Allowance should be made in screw lengths for additional panelling thicknesses.
- Screw heads should be flush with the board surface when driven into position.
- There must be at least 6 seating screws per square metre across the surface and 10 per square metre along the edges.
- The actual number of screws and the distance between them should be in compliance with local building regulations. Depending on the building's location, the number of screws may be higher after taking into consideration the local climate. Please also take manufacturers' recommendations into account.

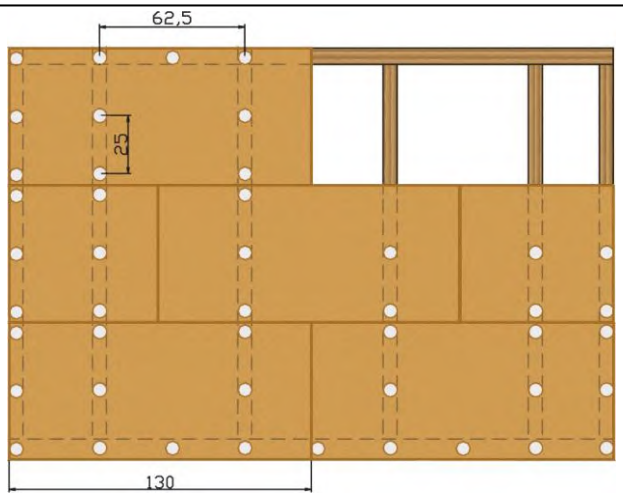


Fig. 3) Securing with seating screws

Plastering on FD-Q11 protect

- Before plastering work begins, the fitted board face needs to be checked and approved by the plasterer.
- The surface must be dry and free from dust before plaster is applied. Wood moisture should not be greater than 14 %.
- Please take plaster manufacturer's instructions into account.