

SAMPLE TENDER SPECIFICATION TEXTS

Masonry works with TRIQBRIQ wall system WS25

Preliminary remarks

The German VOB Part C, ATV DIN 18334 "Carpentry and timber construction works" applies. Planning and execution are carried out in accordance with the general building authority approval (abZ) No. Z-9.1-912 dated 8 April 2024. The TRIQBRIQ construction site manual is the basis of execution (current version: triqbriq.de/downloads).

The solid timber walls shall be erected using the TRIQBRIQ wall system WS25 by TRIQBRIQ, on which the execution planning and this tender are based.

The system is based on the solid timber blocks WS25B25 and WS25B50, the flexural beams (lintels) WS25B200B and WS25B400B and the columns WS25B200S and WS25B400S. The blocks are laid in stretcher bond and connected glue-free exclusively by tenons and beech wood dowels – fully demountable and reusable without residues. Waste-free delivery on pallets with returnable lashing straps.

Dowels are included in the scope of delivery; the locking tool is available for rent for the duration of the construction project (driven by a compressor to be provided on site). Moisture protection during construction is the contractor's responsibility (DIN 68800). Details on block storage and rental of the locking tools are set out in the construction site manual.

'...' = to be completed project-specifically by the planner. (Contingency item) = execution only upon separate instruction by the client.

Building physics characteristics of the system are available in the download portal:

<https://triqbriq.de/downloads>

1. Preparation and anchoring

Item 1.10 Levelling/bedding course, grout concrete, for TRIQBRIQ WS25-wall, d=25 cm

Provide a levelling course of grout concrete on the substrate as a plane, level bearing for the solid timber wall.

Purpose: height compensation; plane level in longitudinal and transverse direction; compensation of substrate unevenness.

Width: 25 cm

Thickness: min. 1 cm, max. 3 cm

Quantity: '...' m UP: TP:

Item 1.20 Horizontal damp-proof course, for TRIQBRIQ WS25-wall, w=25 cm (contingency item)

(Note: The damp-proof course shall be designed and specified project-specifically.)

Install a horizontal damp-proof course as waterproofing against capillary rising damp in accordance with DIN 18533.

Purpose:	protection of the solid timber wall against rising damp
Material:	'...' (acc. to DIN 18533, to be specified by the specialist designer)
Width:	25 cm
Quantity: '...' m	UP: TP:

Item 1.30 Acoustic decoupling strip, for TRIQBRIQ WS25-wall, w=25 cm (contingency item)

(Note: Design and material selection by the responsible specialist designer; to be planned and specified project-specifically.)

Lay a load-bearing, settlement-resistant insulation strip beneath the vertical, load-bearing timbers of the TRIQBRIQ wall system.

Purpose:	acoustic decoupling wall/floor slab
Material/properties:	as specified by the specialist designer
Width:	25 cm
Location:	'...'
Quantity: '...' m	UP: TP:

2. Walls TRIQBRIQ wall system WS25

Item 2.10 External wall, TRIQBRIQ WS25, d=25 cm

Construct external wall of solid timber blocks of the TRIQBRIQ wall system WS25 in stretcher bond, glue-free connection by tenons and beech wood dowels, in accordance with general building authority approval Z-9.1-912.

Scope of work:

- laying of the blocks in stretcher bond, top of wall level
- top course without tenons (blocks orderable tenon-free; plane wall head as floor-slab bearing)
- dowelling (2 beech wood dowels per block), flush with the wall surface
- corner formation in bond
- forming of openings up to 2.5 m² individual size (measured over)
- connection to existing components incl. movement joint
- cutting and fitting pieces; length/height adjustment with timber planks
- temporary bracing by raking shores incl. provision
- connection and fixing means as per structural requirements (e.g. steel angles, tie anchors)

Purpose:	load-bearing external wall
System:	TRIQBRIQ wall system WS25
Blocks:	WS25B50 (full), WS25B25 (half)
Consumption:	8 pcs WS25B50 per m ² wall area; plus 2 dowels per block
Material:	softwood, glue-free
Strength class:	min. C24
Wall thickness:	25 cm
Measurement:	m ² wall area; openings up to 2.5 m ² individual size are measured over (ATV DIN 18334, section 5)

Quantity: '...' m² UP: TP:

Item 2.20 Internal wall, TRIQBRIQ WS25, d=25 cm

Construct internal wall of solid timber blocks of the TRIQBRIQ wall system WS25 in stretcher bond, glue-free connection by tenons and beech wood dowels, in accordance with general building authority approval Z-9.1-912.

Scope of work:

- laying of the blocks in stretcher bond, top of wall level
- top course without tenons (blocks orderable tenon-free; plane wall head as floor-slab bearing)
- dowelling (2 beech wood dowels per block), flush with the wall surface
- corner formation in bond
- forming of openings up to 2.5 m² individual size (measured over)
- connection to existing components incl. movement joint
- cutting and fitting pieces; length/height adjustment with timber planks
- temporary bracing by raking shores incl. provision
- connection and fixing means as per structural requirements (e.g. steel angles, tie anchors)

Purpose:	Innenwand
Load-bearing function:	'...' (load-bearing / non-load-bearing)
System:	TRIQBRIQ wall system WS25
Blocks:	WS25B50 (full), WS25B25 (half)
Consumption:	8 pcs WS25B50 per m ² wall area; plus 2 dowels per block
Material:	softwood, glue-free
Strength class:	min. C24
Wall thickness:	25 cm
Measurement:	m ² wall area; openings up to 2.5 m ² individual size are measured over (ATV DIN 18334, section 5)

Quantity: '...' m² UP: TP:

Item 2.30 Gable slopes, TRIQBRIQ WS25, d=25 cm

Form gable slopes on external and internal walls in the attic storey by angled cutting of the solid timber blocks.

Purpose:	adaptation of the wall to the roof pitch
Execution:	angled cutting on site, roof pitch as per design
Wall thickness:	25 cm
Location:	attic storey

Quantity: '...' m UP: TP:

Item 2.40 Lintel, TRIQBRIQ flexural beam WS25B200B, l=200 cm, d=25 cm

Span opening in walls of solid timber blocks with flexural beam WS25B200B in accordance with general building authority approval/type structural analysis.

Purpose:	load-bearing spanning of the wall opening
Type:	WS25B200B, l=200 cm
Lintel height:	25 cm
Wall thickness:	25 cm
Max. structural opening width:	150 cm
Bearing length:	min. 25 cm each side
Connection:	tenons/blind holes and beech wood dowels, as wall system
Pieces per opening:	1

Quantity: '...' St UP: TP:

Item 2.50 Lintel, TRIQBRIQ flexural beam WS25B400B, l=400 cm, d=25 cm

Span opening in walls of solid timber blocks with flexural beam WS25B400B in accordance with general building authority approval/type structural analysis.

Purpose:	load-bearing spanning of the wall opening
Type:	WS25B400B, l=400 cm
Lintel height:	25 cm
Wall thickness:	25 cm
Max. structural opening width:	350 cm
Bearing length:	min. 25 cm each side
Connection:	tenons/blind holes and beech wood dowels, as wall system
Pieces per opening:	1

Quantity: '...' St UP: TP:

Item 2.60 Column, TRIQBRIQ WS25B200S, l=200 cm, 25 × 25 cm

Install column WS25B200S as load-bearing element in walls and structures of solid timber blocks, in accordance with general building authority approval/type structural analysis.

Purpose:	load-bearing column
Type:	WS25B200S, l=200 cm
Cross-section:	25 × 25 cm
Material:	softwood, grading class S10 (DIN 4074-1)
Strength class:	C16 or C24 (DIN EN 338), as per structural requirements
Special lengths:	producible on request
Installation:	lifting aid (e.g. mini crane) recommended

Quantity: '...' St UP: TP:

Item 2.70 Column, TRIQBRIQ WS25B400S, l=400 cm, 25 × 25 cm

Install column WS25B400S as load-bearing element in walls and structures of solid timber blocks, in accordance with general building authority approval/type structural analysis.

Purpose:	load-bearing column
Type:	WS25B400S, l=400 cm
Cross-section:	25 × 25 cm
Material:	softwood, grading class S10 (DIN 4074-1)
Strength class:	C16 or C24 (DIN EN 338), as per structural requirements
Special lengths:	producible on request
Installation:	lifting aid (e.g. mini crane) recommended

Quantity: '...' St UP: TP: