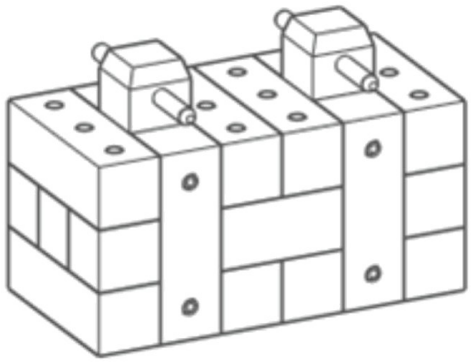
BRIQ 25-50 WS25

APPROVAL AND USE	
German approval	German national approval (allgemeine bauaufsichtliche Zulassung / allgemeine Bauartgenehmigung) no. Z-9.1-912 (DIBt)
Austrian approval	Austrian technical building approval (Bautechnische Zulassung) no. BTZ-0071 (OIB)
Service classes to EN 1995-1-1	1 and 2
Maximum clear wall height	4.00 m
GENERAL TECHNICAL DATA	
Timber species	Softwood
Moisture content	approx. 12 %
Visual strength grade to DIN 4074-1	S7 or S10
Strength class of squared timber to EN 338	C16, C24
Dimensions (l x w x h)	500 mm x 250 mm x 250 mm
Dimensional tolerances	Class 2 to EN 336
Weight per unit	14.1 kg
Units required per m²	8
STRUCTURAL DESIGN DATA	
Characteristic compressive strength fc,0,k	C24: 18.9 N/mm² C16: 15.3 N/mm²
Characteristic effective modulus of elasticity Eef,05	C24: 8200 N/mm² C16: 6100 N/mm²
Effective shear stiffness GAef	1.06 x 10³ kN per m of wall length
Mean density (pmean)	450 kg/m³
Self-weight for design	4.41 kN/m³
Mass per unit area (m') (pmean x d)	112.5 kg/m²
FIRE PROTECTION	
Reaction to fire	B2, normal flammability (DIN 4102-1)
Fire resistance class	REI45 and RE60



THE FULL BLOCK

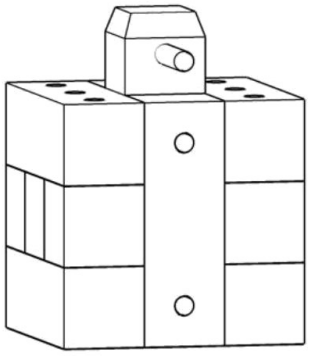
The BRIQ 25-50 is a solid timber block 50 cm in length. It belongs to the WS25 series, in which it serves as the main element. The block is an integral part of the construction of monolithic timber walls, in particular load-bearing external walls. It is laid in bond and connected with timber dowels.

The technical building regulations apply to this system, in particular EN 1995-1-1 in conjunction with its German National Annex.

TRIQBRIQ AG | Stuttgarter Str. 115 | 70469 Stuttgart | Germany
info@triqbriq.de | +49 711 – 252 815 80

BRIQ 25-25 WS25

APPROVAL AND USE	
German approval	German national approval (allgemeine bauaufsichtliche Zulassung / allgemeine Bauartgenehmigung) no. Z-9.1-912 (DIBt)
Austrian approval	Austrian technical building approval (Bautechnische Zulassung) no. BTZ-0071 (OIB)
Service classes to EN 1995-1-1	1 and 2
Maximum clear wall height	4.00 m
GENERAL TECHNICAL DATA	
Timber species	Softwood
Moisture content	approx. 12 %
Visual strength grade to DIN 4074-1	S7 or S10
Strength class of squared timber to EN 338	C16, C24
Dimensions (l x w x h)	250 mm x 250 mm x 250 mm
Dimensional tolerances	Class 2 to EN 336
Weight per unit	7.0 kg
Units required per m²	16
STRUCTURAL DESIGN DATA	
Characteristic compressive strength fc,0,k	C24: 18.9 N/mm² C16: 15.3 N/mm²
Characteristic effective modulus of elasticity Eef,05	C24: 8200 N/mm² C16: 6100 N/mm²
Effective shear stiffness GAef	1.06 x 10³ kN per m of wall length
Mean density (pmean)	450 kg/m³
Self-weight for design	4.41 kN/m³
Mass per unit area (m') (pmean x d)	112.5 kg/m²
FIRE PROTECTION	
Reaction to fire	B2, normal flammability (DIN 4102-1)
Fire resistance class	REI45 and RE60



THE HALF BLOCK

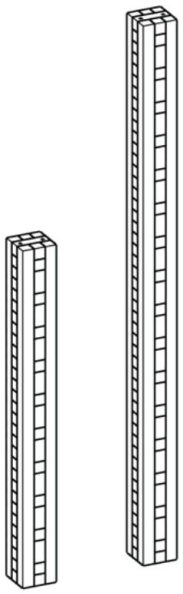
The BRIQ 25-25 is a timber block 25 cm in length which serves as an easily handled supplementary element within the TRIQBRIQ WS25 system. It allows wall elements to be filled in, in particular when forming structural openings.

The BRIQ 25-25 is used mainly in combination with the BRIQ 25-50 in order to optimise the construction of timber walls.

TRIQBRIQ AG | Stuttgarter Str. 115 | 70469 Stuttgart | Germany
info@triqbriq.de | +49 711 – 252 815 80

BRIQ 25-S WS25

APPROVAL AND USE	
German approval	German national approval (allgemeine bauaufsichtliche Zulassung / allgemeine Bauartgenehmigung) no. Z-9.1-912 (DIBt)
Austrian approval	Austrian technical building approval (Bautechnische Zulassung) no. BTZ-0071 (OIB)
Service classes to EN 1995-1-1	1 and 2
Clear height of column	2.50 m to 4.00 m
GENERAL TECHNICAL DATA	
Timber species	Softwood
Moisture content	approx. 12 %
Visual strength grade to DIN 4074-1	S7 or S10
Strength class of squared timber to EN 338	C24
Cross-section (w x h)	250 mm x 250 mm
Length	2500 mm to 4000 mm in increments of 250 mm
Dimensional tolerances	Class 2 to EN 336
Weight per unit	70.3 kg to 112.5 kg
STRUCTURAL DESIGN DATA	
Characteristic compressive strength fc,S,0,k	C24: 21 N/mm²
Characteristic effective modulus of elasticity Eef,S,05	C24: 9200 N/mm²
Cross-sectional area of the vertical layers	27,750 mm²
Mean density (pmean)	450 kg/m³
Self-weight for design	4.41 kN/m³
FIRE PROTECTION	
Reaction to fire	B2, normal flammability (DIN 4102-1)
Fire resistance class	REI45 and RE60



THE COLUMN

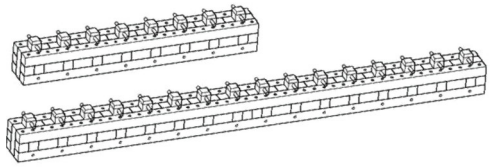
The BRIQ 25-S is designed specifically as a column for load-bearing timber walls and solid timber structures. In combination with the other timber elements of the TRIQBRIQ WS25 system it supports the construction of stable, sustainable timber structures.

It is available in heights from 250 cm to 400 cm in increments of 25 cm. The system also allows non-standard sizes to be produced, and thus precise adaptation to the individual requirements of the particular building project.

TRIQBRIQ AG | Stuttgarter Str. 115 | 70469 Stuttgart | Germany
info@triqbriq.de | +49 711 – 252 815 80

BRIQ 25-B WS25

APPROVAL AND USE	
German approval	German national approval (allgemeine bauaufsichtliche Zulassung / allgemeine Bauartgenehmigung) no. Z-9.1-912 (DIBt)
Austrian approval	Austrian technical building approval (Bautechnische Zulassung) no. BTZ-0071 (OIB)
Service classes to EN 1995-1-1	1 and 2
Span	2.00 m to 4.00 m
GENERAL TECHNICAL DATA	
Timber species	Softwood
Moisture content	approx. 12 %
Visual strength grade to DIN 4074-1	S7 or S10
Strength class of squared timber to EN 338	C24
Cross-section (w x h)	250 mm x 250 mm
Length	2000 mm to 4000 mm in increments of 250 mm
Dimensional tolerances	Class 2 to EN 336
Weight per unit	56.3 kg to 112.5 kg
STRUCTURAL DESIGN DATA	
Modulus of elasticity E0,mean	C24: 11000 N/mm²
Mean density (pmean)	450 kg/m³
Self-weight for design	4.41 kN/m³
FIRE PROTECTION	
Reaction to fire	B2, normal flammability (DIN 4102-1)
Fire resistance class	REI45 and RE60



THE BEAM

The BRIQ 25-B is a timber element of the WS25 system designed specifically as a flexural beam. It is available in lengths from 200 cm to 400 cm in increments of 25 cm. Non-standard lengths can be produced on request.

This sustainable beam serves as an essential lintel element within the TRIQBRIQ WS25 system and allows stable, load-bearing door and window openings as well as other penetrations to be formed in timber walls.

TRIQBRIQ AG | Stuttgarter Str. 115 | 70469 Stuttgart | Germany
info@triqbriq.de | +49 711 – 252 815 80