Deutsches Institut für Bautechnik

Public-law institution jointly founded by the federal states and the Federation

European Technical Assessment Body for construction products

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Designated according to Article 29 of Regulation (EU) No 305/2011 and member of EOTA (European Organisation for Technical Assessment)

European Technical Assessment ETA-24/0277 of 4 March 2025

English translation prepared by DIBt - Original version in German language

General Part

Technical Assessment Body issuing the European Technical Assessment:	Deutsches Institut für Bautechnik
Trade name of the construction product	Teckentrup 62
Product family to which the construction product belongs	Teckentrup 62
Manufacturer	Teckentrup GmbH & Co. KG Industriestraße 50 33415 Verl-Sürenheide GERMANY
Manufacturing plant	Teckentrup GmbH & Co. KG Industriestraße 27 33415 Verl-Sürenheide Teckentrup GmbH & Co. KG Teckentrupstraße 1 06780 Zörbig
This European Technical Assessment contains	14 pages including 10 annexes which form an integral part of this assessment
This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of	020029-00-1102

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Specific Part

1 Technical description of the product

The subject of this European technical assessment are internal pedestrian fire resisting and/or smoke control single and double leaf doorsets "Teckentrup 62" - made of steel.

They are made in following versions:

- EI_2 60-S_a C5 and EI_2 60-S_{200} C5
- E 120

The products involve those which are used manually, opening and self-closing as a normal mode of operation. They can also be normally held open but self-close in the event of fire or smoke.

The fire resisting and/or smoke control doorsets shall be designed:

- using steel plates featuring fire-resistant inlays
- with building hardware,
- with or without any vision panel(s) in the doorsets leaf or leaves,
- with a three-sided permanently elastic seal and a permanently elastic middle rebate seal additionally in the event of double leaf doorsets (for fire resistance),
- with a three-sided permanently elastic seal and a permanently elastic middle rebate seal additionally in the event of double leaf doorsets in conjuction with a soil liner (for smoke control).

Single and double leaf doorsets are verified at levels other than the floor level (i.e. at increased heights). These doorsets in the area of the frame of the leaf have to be designed with a four-sided permanently elastic seal to prevent smoke from penetrating. The lower edge of the leaf and the frame has to be designed like tested.

Annexes A1 to A9 show the system structure of the products "Teckentrup 62" with the classification as shown above.

2 Specification of the intended use in accordance with the applicable European Assessment Document

Fire resisting and/or smoke control doorsets are used internally as closures in fire resisting walls and/or for escape routes. The products can be used as internal fire resisting and/or smoke control single and double leaf doorsets in internal walls.

The verifications and assessment methods on which this European Technical Assessment is based lead to the assumption of a working life of the fire resisting and/or smoke control doorsets at least 15 years. The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

The performances given in Section 3 are only valid if the products are used in compliance with the specifications and conditions given in Annexes 1 to 9.

3 Performance of the product and references to the methods used for its assessment

3.1 Safety in case of fire (BWR 2)

Essential characteristic	Performance	
Reaction to fire of components acc. to EN 13501-1	Steel plate Insulation Glazing Gypsum plaster board Intumescent material	A1 A1 at last E A2 B1 to E
Resistance to fire acc. to EN 13501-2	E60 / EW60 / EI_2 60 / E120	
Smoke control acc. to EN 13501-2	S_a/S_{200}	

3.2 Safety and accessibility in use (BWR 4)

Essential characteristic	Performance
Self-closing acc. to EN 13501-2	C
Ability to release	"released"
Durability of the ability to release	"release maintained"
Durability of self-closing against degradation (cycling testing) acc. to EN 13501-2	5
Durability of self-closing against ageing (corrosion)	"achieved"
Impact resistance acc. to EN 13049	No performance assessed
Strength requirements	4

3.3 Protection against noise (BWR 5)

Essential characteristic	Performance	
Direct airborne sound insulation index acc. to EN ISO 717-1….	single leaf doorset	Rw (C; Cw) = 33 (-3;-7) to Rw (C; Cw) = 42 (-1;-4)
	double leaf doorset	Rw (C; Cw) = 33 (-3;-6) to Rw (C; Cw) = 42 (-1;-2)

3.4 Sustainable use of natural resources (BWR 7)

For the sustainable use of natural resources no performance was investigated for this product.

4 Assessment and verification of constancy of performance (AVCP) system applied, with reference to its legal base

In accordance with EAD No. 020029-00-1102, the applicable European legal act is: 1999/93/EU.

The system to be applied is: 1

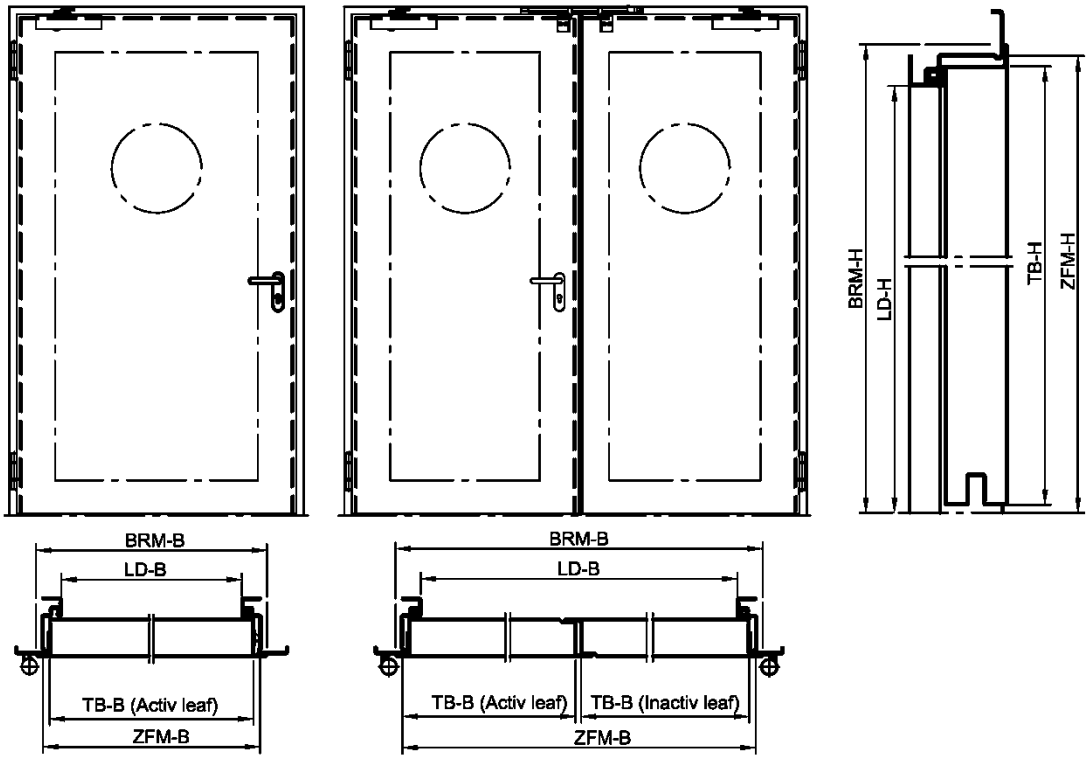
5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited with Deutsches Institut für Bautechnik.

Issued in Berlin on February 2025 by Deutsches Institut für Bautechnik

Christina Pritzkow
Head of Section

beglaubigt:
Molitor



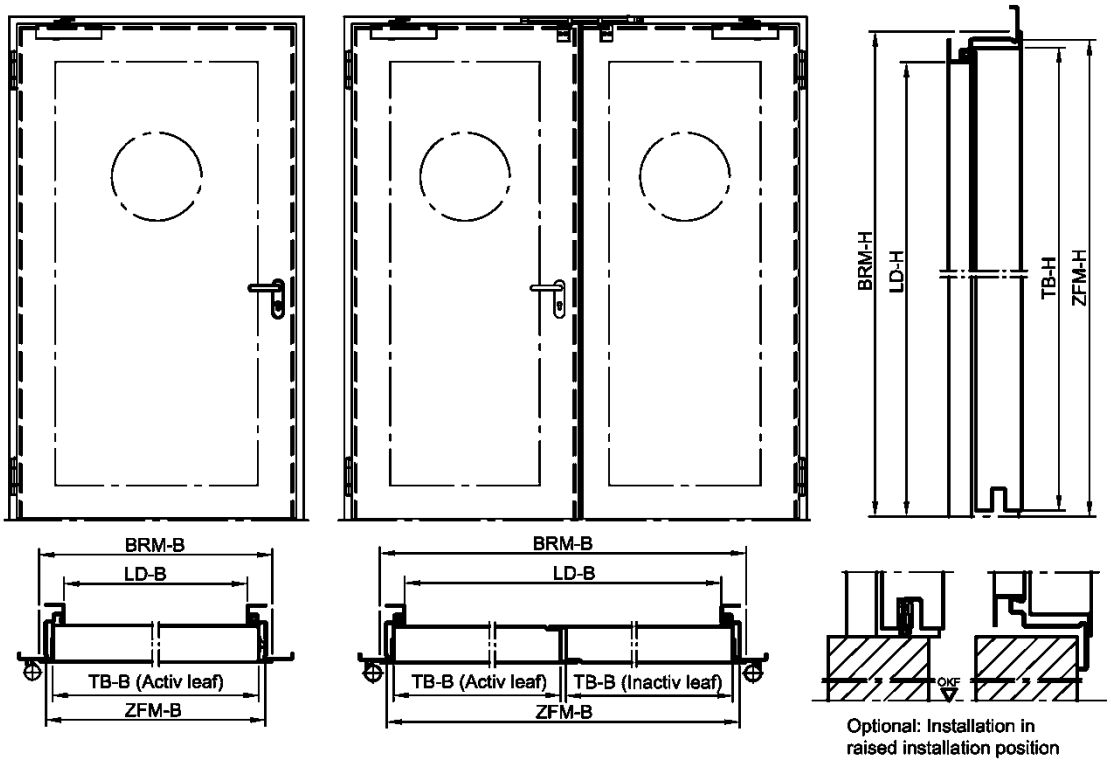
Single door leaf	E60	500-1500	500-3000	417-1417	417-2958	477-1476	477-2988	458-1456	458-2972	62
	EW 60	500-1500	500-3000	417-1417	417-2958	477-1476	477-2988	458-1456	458-2972	62
	EI1 60	-	-	-	-	-	-	-	-	62
	EI2 60	500-1500	500-3000	417-1417	417-2958	477-1476	477-2988	458-1456	458-2972	62
	E 120	500-1500	500-3000	417-1417	417-2958	477-1476	477-2988	458-1456	458-2972	62
	EW120	-	-	-	-	-	-	-	-	62
	EI1 120	-	-	-	-	-	-	-	-	62
	EI2 120	-	-	-	-	-	-	-	-	62
		B	H	B	H	B	H	B	H	D
		Order size (BRM)		Clear opening size (LD)		Frame rebate dimensions (ZFM)		Leaf dimensions (TB)		

Double door leaf	E60	1250-3000	1750-3000	1166-2916	1708-2958	1226-2976	1738-2988	674-1471	1722-2972	62
	EW 60	1250-3000	1750-3000	1166-2916	1708-2958	1226-2976	1738-2988	674-1471	1722-2972	62
	EI1 60	-	-	-	-	-	-	-	-	62
	EI2 60	1250-3000	1750-3000	1166-2916	1708-2958	1226-2976	1738-2988	674-1471	1722-2972	62
	E 120	1250-3000	1750-3000	1166-2916	1708-2958	1226-2976	1738-2988	674-1471	1722-2972	62
	EW120	-	-	-	-	-	-	-	-	62
	EI1 120	-	-	-	-	-	-	-	-	62
	EI2 120	-	-	-	-	-	-	-	-	62
		B	H	B	H	B	H	B	H	D
		Order size (BRM)		Clear opening size (LD)		Frame rebate dimensions (ZFM)		Leaf dimensions (TB)		

Teckentrup 62

Summery
Core material mineral wool

Annex 1



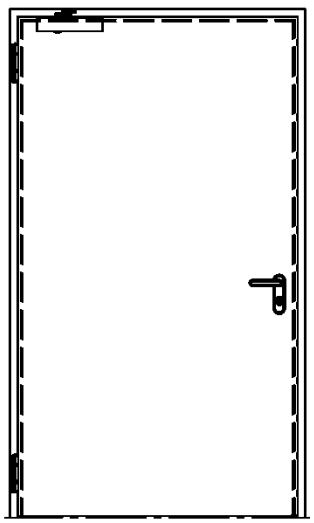
Single door leaf	E60	500-1500	500-3000	417-1417	417-2958	477-1476	477-2988	458-1456	458-2972	62
	EW 60	500-1500	500-3000	417-1417	417-2958	477-1476	477-2988	458-1456	458-2972	62
	EI1 60	-	-	-	-	-	-	-	-	62
	EI2 60	500-1500	500-3000	417-1417	417-2958	477-1476	477-2988	458-1456	458-2972	62
	E 120	500-1500	500-3000	417-1417	417-2958	477-1476	477-2988	458-1456	458-2972	62
	EW120	-	-	-	-	-	-	-	-	62
	EI1 120	-	-	-	-	-	-	-	-	62
	EI2 120	-	-	-	-	-	-	-	-	62
		B	H	B	H	B	H	B	H	D
		Order size (BRM)		Clear opening size (LD)		Frame rebate dimensions (ZFM)		Leaf dimensions (TB)		
Double door leaf	E60	1250-3000	1750-3000	1166-2916	1708-2958	1226-2976	1738-2988	674-1471	1722-2972	62
	EW 60	1250-3000	1750-3000	1166-2916	1708-2958	1226-2976	1738-2988	674-1471	1722-2972	62
	EI1 60	-	-	-	-	-	-	-	-	62
	EI2 60	1250-3000	1750-3000	1166-2916	1708-2958	1226-2976	1738-2988	674-1471	1722-2972	62
	E 120	1250-3000	1750-3000	1166-2916	1708-2958	1226-2976	1738-2988	674-1471	1722-2972	62
	EW120	-	-	-	-	-	-	-	-	62
	EI1 120	-	-	-	-	-	-	-	-	62
	EI2 120	-	-	-	-	-	-	-	-	62
		B	H	B	H	B	H	B	H	D
		Order size (BRM)		Clear opening size (LD)		Frame rebate dimensions (ZFM)		Leaf dimensions (TB)		

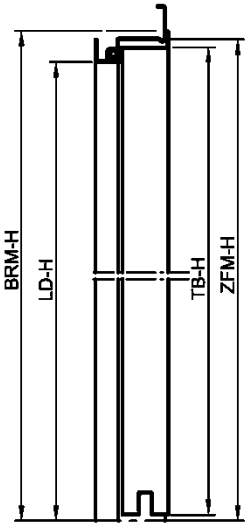
Dimensions in mm

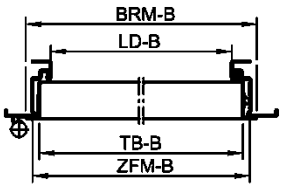
Teckentrup 62

Summery
Core material mineral wool / gypsum / mineral wool or gypsum / mineral wool / gypsum

Annex 2







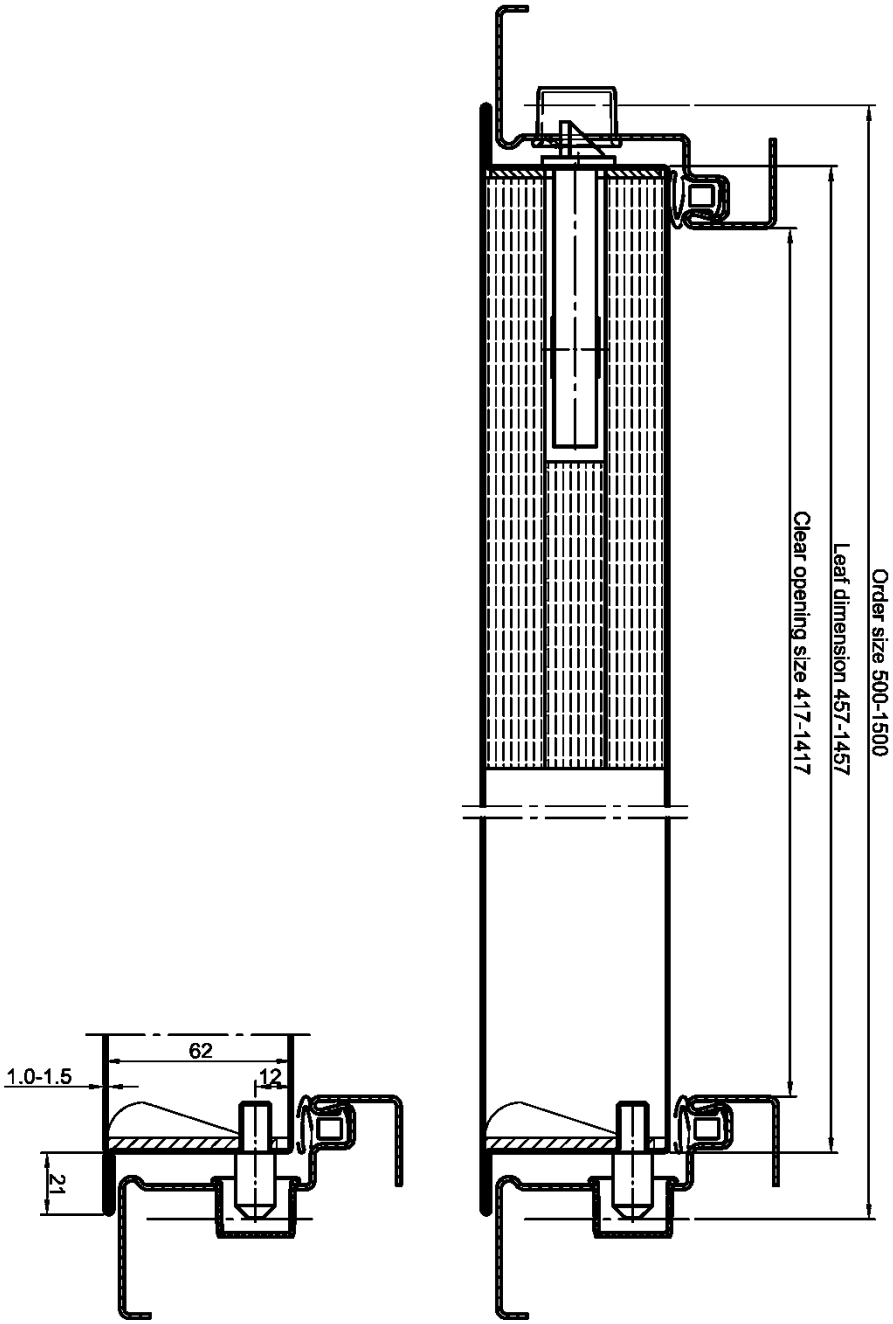
Single door leaf	E60	625-1350	1750-2500	541-1266	1708-2458	601-1330	1738-2490	581-1307	1722-2472	62
	EW 60	625-1350	1750-2500	541-1266	1708-2458	601-1330	1738-2490	581-1307	1722-2472	62
	EI1 60	-	-	-	-	-	-	-	-	62
	EI2 60	625-1350	1750-2500	541-1266	1708-2458	601-1330	1738-2490	581-1307	1722-2472	62
	E 120	-	-	-	-	-	-	-	-	62
	EW120	-	-	-	-	-	-	-	-	62
	EI1 120	-	-	-	-	-	-	-	-	62
	EI2 120	-	-	-	-	-	-	-	-	62
		B	H	B	H	B	H	B	H	D
		Order size (BRM)		Clear opening size (LD)		Frame rebate dimensions (ZFM)		Leaf dimensions (TB)		

Dimensions in mm

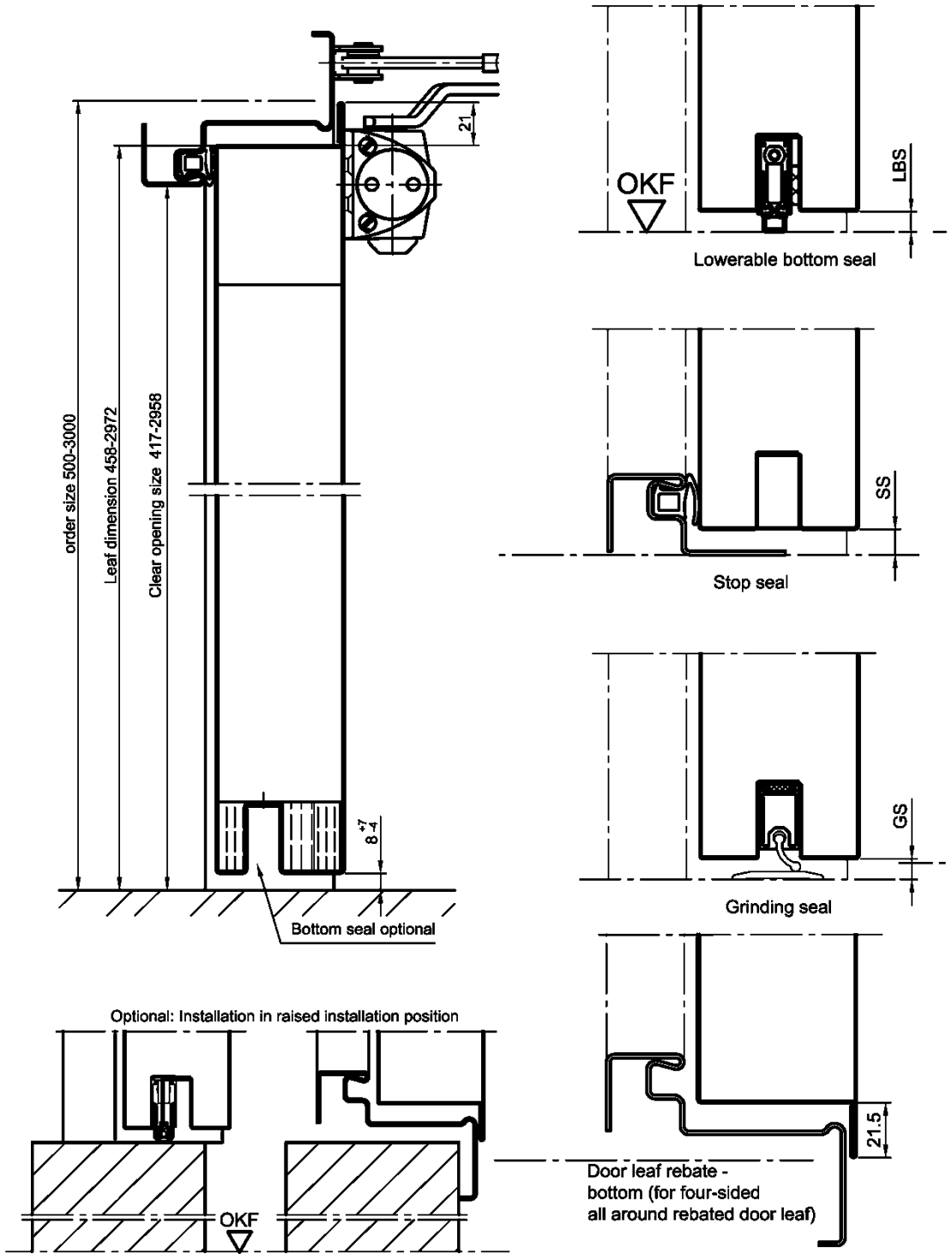
Teckentrup 62

Summery
Core material plaster / steel / wool /steel / plaster

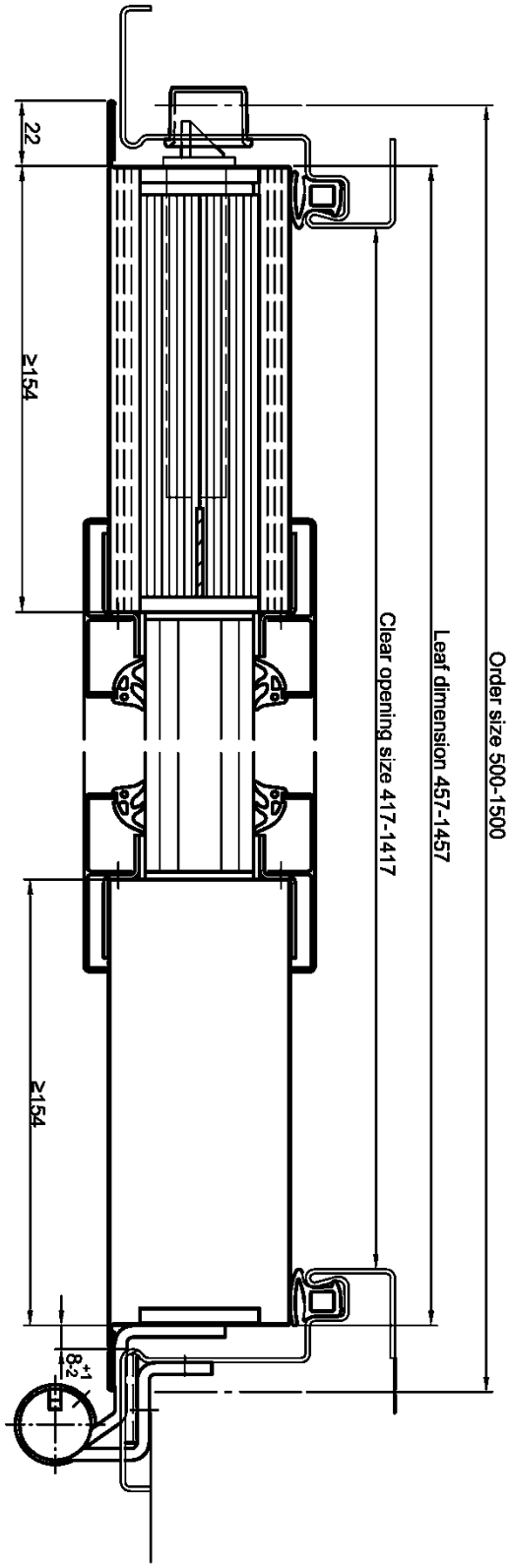
Annex 3



Teckentrup 62	Annex 4
Horizontal section – single leaf door	



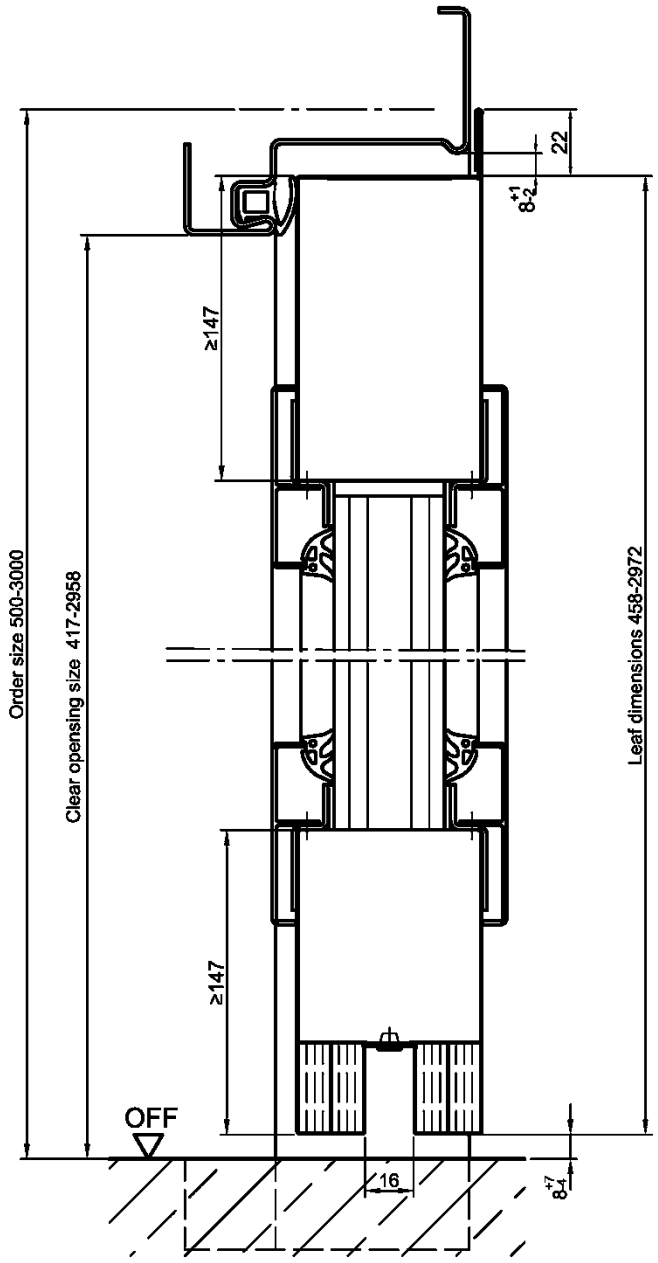
Teckentrup 62	Annex 5
Vertical section – single and double leaf door	



Teckentrup 62

Horizontal section – single leaf door with glazing

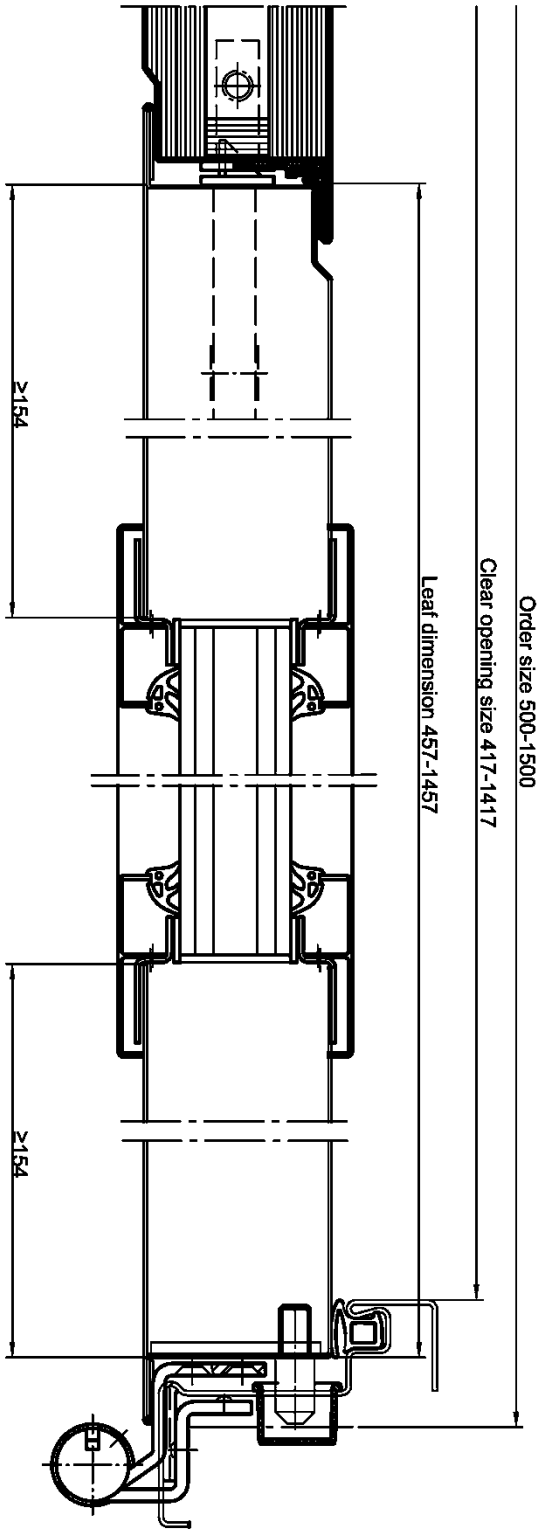
Annex 6



Teckentrup 62

Vertical section – single and double leaf door with glazing

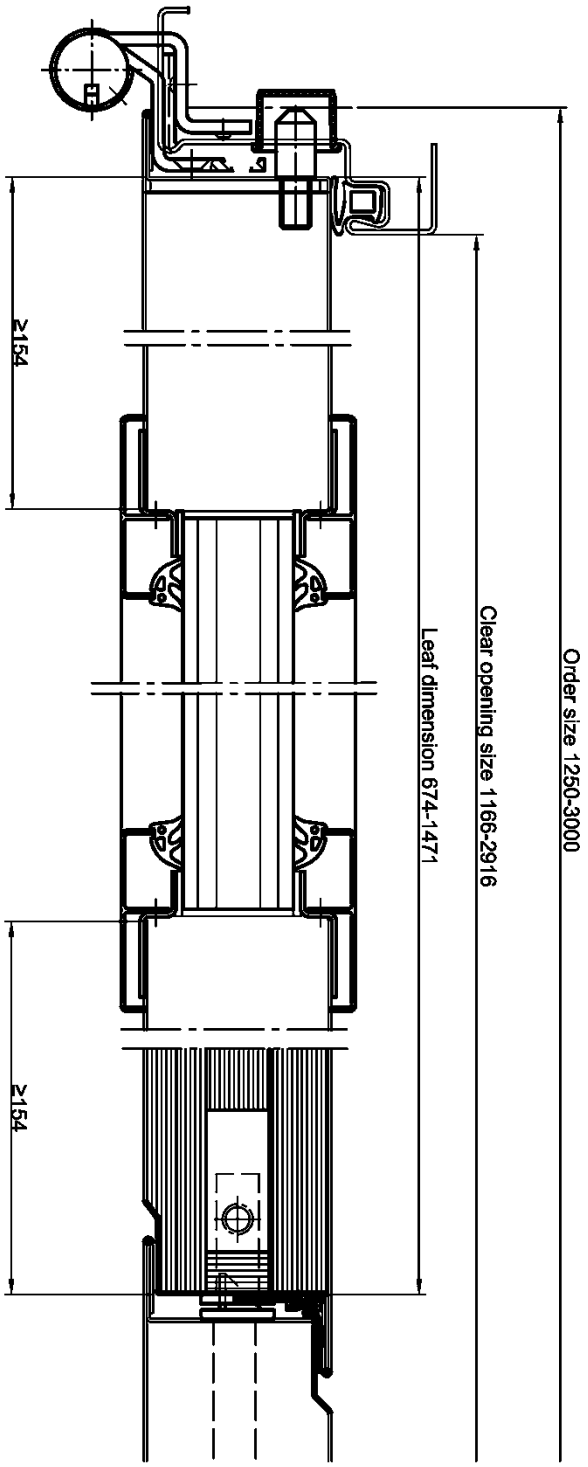
Annex 7



Teckentrup 62

Horizontal section – single and double leaf door with glazing

Annex 8



Teckentrup 62

Horizontal section – inactive double leaf door with glazing

Annex 9

The products “Teckentrup 62” as single and double-leaf fire resisting and/or smoke control doors are proven in the following internal walls/on the following internal components:

≥ 115mm high density solid wall of masony with an overall density of ≥ 850kg/m³, or

≥ 115mm solid wall of concrete with an overall density of ≥ 850kg/m³, or

≥ 150mm low density solid wall of aerated concrete with an overall density of ≥ 600 kg/m³, or

≥ 100mm fire resistant light weight plasterboard faced steel stud partition of fire resistance class EI60, or

≥ 100mm panel walls in sandwich construction, filled with mineral wool with 85-120kg/m³ density,
Manufacturer: Euroclad Group Ltd; Paroc Panel System, or

≥ 80mm panel walls in sandwich construction, filled with mineral wool, or
Manufacturer: Fa. Wenker GmbH & Co.KG, or

clad steel columns or-beams of fire resistance class EI60

Teckentrup 62	Annex 10
walls/components	