

Notice

**of the amendment and supplementation to the
general building inspectorate approval dated 25
October 2012**

Approval body for building products and
types of building

Civil Engineering Test Agency

An independent public-law institution
jointly supported by the Federation and the
States

Member of EOTA, UEAtc and WFTAO

Date:
08/01/2013

Reference:
III 31-1/6/20-153/12

Approval number:

Z-6.20-1956

Applicant:

Teckentrup GmbH & Co. KG
Industriestraße 50
33415 Verl-Sürenheide

Scope of validity

By: **08 January 2013**

to: **01 November 2017**

Object certified:

**T 30-1-FSA "Teckentrup 42" or
T 30-1-RS-FSA "Teckentrup 42" or
T 30-2-FSA "Teckentrup 42" or
T 30-2-RS-FSA "Teckentrup 42" or
T 30-1-FSA "Teckentrup-HT8-D" or
T 30-1-RS-FSA "Teckentrup-HT8-D"**

This notice amends and supplements the general building inspectorate approval no. Z-6.20-1956 dated 25 October 2012.

This notice comprises two pages. It is only valid in connection with the above-mentioned general building inspectorate approval and may only be used in combination with the same.

RE II SPECIAL PROVISIONS

The special provisions of the general supervisory building approval are amended and supplemented as follows:

In Document A³ for the general building inspectorate approval dated 25 October 2012, Sheet A 5--0-1 is replaced by Sheet A 5--0--1Ä for this notice.

Maja Tiemann
Head of Department

³ The applicant must submit this document on request to the competent building inspectorate authority and - inasmuch as this is required for external monitoring - make the same available to the competent agencies.

General building inspectorate approval

Approval body for building products and
types of building

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Date:
25/10/2012

Reference:
III 31-1/6/20-153/12

Approval number:
Z-6.20-1956

Applicant:
Teckentrup GmbH & Co. KG
Industriestraße 50
33415 Verl-Sürenheide

Scope of validity

By: **01 November 2012**
to: **01 November 2017**

Object certified:

T 30-1-FSA "Teckentrup 42" or
T 30-1-RS-FSA "Teckentrup 42" or
T 30-2-FSA "Teckentrup 42" or
T 30-2-RS-FSA "Teckentrup 42" or
T 30-1-FSA "Teckentrup-HT8-D" or
T 30-1-RS-FSA "Teckentrup-HT8-D"

The above-mentioned approved article is hereby approved in terms of the general building inspectorate authority. This general building inspectorate authority comprises eight pages and six annexes.

I GENERAL PROVISIONS

- 1 With this general building inspectorate approval the usability or applicability of the article approved has been proven within the meaning of the State Building Regulations.
- 2 Inasmuch as the general building inspectorate approval requires special expertise and experience of the persons tasked with the manufacture of building products and building types according to Sect. 17 Paragraph 5 Model Building Regulations, it should be noted that this expertise and experience can also be proven by equivalent verification documents from other Member States of the European Union. If applicable, this also applies to equivalent verification documents submitted within the framework of the Agreement on the European Economic Area (EEA) or other bilateral agreements.
- 3 The general building inspectorate approval does not replace the approvals, agreements and certificates prescribed by statute for the realization of building projects.
- 4 The general building inspectorate approval is granted without prejudice to the rights of any third parties, in particular private protection rights.
- 5 Manufacturers and distributors of the approved article, without prejudice to further provisions in the "Special Provisions", must provide users of the approved article with copies of the general building inspectorate approval and inform them that the general building inspectorate approval must be available and present at the point of use. If so requested, copies of the general building inspectorate approval must be made available to the authorities involved.
- 6 The general building inspectorate approval may only be duplicated in full. Publication by extract requires the prior approval of the Deutsche Institut für Bautechnik (German Institute for Construction Technology). Texts and drawings in advertising brochures must not contradict the general building inspectorate approval. Translations of the general building inspectorate approval must contain the statement "Translation of the German original document. Translation not verified by the Deutsche Institut für Bautechnik (German Institute for Construction Technology)".
- 7 The general building inspectorate approval is granted on a revocable basis. The provisions of the general building inspectorate approval can be subsequently amended and changed, in particular if this is required as a result of new technical knowledge.

II SPECIAL PROVISIONS

1 Article approved and area of application

1.1 Article approved

1.1.1 The articles approved are the fire protection barriers "Teckentrup 42" as a single leaf or two-leaf construction and "Teckentrup HT8-D" as a single leaf construction. The respective article approved meets the requirements

- a) for a fire protection barrier of fire resistance class T 30 pursuant to DIN 4102-5¹ and can thus be used as a fire-retardant, tightly closing and self-closing barrier within the meaning of building inspectorate regulations (see Sections 2.1.1 and 2.1.2), or
- b) for a fire protection barrier of fire resistance class T 30 pursuant to DIN 4102-5² as well as a smoke barrier according to DIN 18095-1 and can thus be used as a fire-retardant, smoke-tight and self-closing barrier within the meaning of building inspectorate regulations (see Sections 2.1.1 and 2.1.2).

The respective approved article is hereinafter designated as a fire protection barrier.

1.1.2 The fire protection barrier essentially consists of the leaf / leaves and the door frame construction as well as the accessory components (see Annexes 1 and 2).

The fire protection barrier is essentially produced by using sheet steel and fire protection inserts. The leaf/leaves in the variant "Teckentrup 42" may be designed with a glazing panel cut-out.

Details on the constructional design of the fire protection barrier, in particular details on dimensions, materials and execution variants as well as necessary accessory components are filed with the Deutsche Institut für Bautechnik (German Institute for Construction Technology) (Document A³). In addition, changes are permissible only if they do not influence the characteristics of the fire protection barrier in any significant way (Annex 5/see Section 2.1.4).

1.2 Area of application

1.2.1 Fire protection barriers pursuant to this general building inspectorate approval are used to close apertures in at least fire retardant walls in accordance with building codes for the closure of apertures in at least fire-retardant interior walls (Annexes 1 and 2/see Section 1.2.4).

Fire protection barriers executed as "Teckentrup HT8-D" may also be fitted at greater height if necessary (not at floor level).

The fire protection barrier must only be fitted / connected to walls / components in accordance with Section 3.1.

Details on the installation of the fire protection barrier are filed with the Deutsche Institut für Bautechnik (German Institute for Construction Technology) (Document B^{3,4}) and specified in the installation instructions in accordance with Section 2.2.3.

¹ DIN 4102-5:1977-09 fire behaviour of building materials and building components; fire barriers, barriers in lift wells and glazings resistant against fire; definitions, requirements

and tests

² DIN 18095-1:1988-10 Doors; smoke control doors; concepts and requirements

³ The applicant must submit this document on request to the competent building inspectorate authority and - inasmuch as this is required for external monitoring - make the same available to the competent agencies.

⁴ Document B is also a component part of the installation instructions.

- 1.2.2 The fire protection barrier is considered to be "tight closing" within the meaning of the building inspectorate regulations, inasmuch as the requirements according to Section 2.1.2 are met.
- 1.2.3 The fire protection barrier is considered to be "smoke tight" within the meaning of the building inspectorate regulations, inasmuch as the requirements according to DIN 18095-1² are met (see Section 2.1.3).
- 1.2.4 In terms of fire protection regulations, the fire protection barrier has been proven for use on interior walls / interior components. This general building inspectorate approval does not provide any proof of heat and/or sound protection as well as further proof of the usability and durability, but - if necessary - must be given for special application cases, taking into account the provisions of this general building inspectorate approval.

2 Provisions for the building product

2.1 2.1 Characteristics

2.1.1 Fire resistance and permanent function

The fire resistance class in connection with the characteristic "self-closing", was determined in accordance with DIN 4102-5¹ (taking into account the results from the tests according to DIN EN 1634-1⁵) in connection with DIN 4102-18⁶ (taking into account the results from the tests according to DIN EN 1191⁷).⁸ In order to verify its continuous function, the fire protection barrier was subjected to 200,000 test cycles.

2.1.2 Leak-tightness

The fire protection barrier according to Section 1.1.1 a) must be executed in the door frame area of the leaf / leaves with a sealing running around at least three sides and, in the case of two-leaved fire protection barriers additionally with a permanently elastic seal located in the centre fold⁹ for obstructing smoke entry.

Fire protection barriers executed as "Teckentrup HT8-D" must not be fitted at floor level (so-called use at greater height). Here, the fire protection barrier must be executed within the door frame area of the leaf with permanently elastic seal⁸ running around on four sides in order to obstruct smoke entry. The bottom edge of the leaf and the door frame must be executed in the same way as the top edge.

2.1.3 Smoke tightness

The smoke tightness was determined in accordance with DIN 18095-2¹⁰ in connection with DIN 18095-1² (taking into account the results from the tests according to DIN EN 1634-3¹¹).⁸

The fire protection barrier according to Section 1.1.1 b) must be executed in the door frame area of the leaf / leaves with a sealing⁹ running around at least three sides in connection with a floor seal or a permanently elastic seal⁹ running around on four sides for obstructing smoke entry.

⁵ DIN EN 1634-1:2000-03 Fire resistance tests for door and shutter assemblies - Part 1: Fire doors and shutters

⁶ DIN 4102-18:1991-03 fire behaviour of building materials and building components; fire barriers, verification of the characteristic "self-closing" (continuous function test)

⁷ DIN EN 1191:2000-08 Windows and doors - Continuous function - Test method

⁸ Expert opinions certifying compliance with the results to be expected in accordance with the test standards were also taken into account for the evaluation of the fire protection barrier.

⁹ The material details are filed with the Deutsche Institut für Bautechnik (German Institute for Construction Engineering).

¹⁰ DIN 18095-2:1999-06 Smoke protection barriers - Part 2: Type approval of the continuous function efficiency and leakage

¹¹ DIN EN 1634-1:2000-03 Fire resistance tests for door and shutter assemblies - Part 3: Smoke protection barriers

In the centre fold of two-leaved fire protection barriers, a permanently elastic seal⁹ must be additionally located.

Fire protection barriers executed as "Teckentrup HT8-D" must not be fitted at floor level (so-called use at greater height). Here, the fire protection barrier must be executed within the door frame area of the leaf with permanently elastic seal⁸ running around on four sides in order to obstruct smoke entry. The bottom edge of the leaf and the door frame must be executed in the same way as the top edge.

2.1.4 Permissible amendments and supplements

On fire protection barriers produced in accordance with this general building inspectorate approval - without any further proof - the amendments and supplements listed in Annex 5 are possible.

2.2 Manufacturing and identification markings

2.2.1 Manufacturing

When manufacturing the fire protection barrier, the provisions of Section 1.1 and Document A³ must be complied with (see Annex 1). The components such as accessories, fire protection inserts, a.o. may be used if their usability has been proven by means of a general building inspectorate test certificate, a general building inspectorate approval, or during the approval procedure for a fire protection barrier in accordance with this general building inspectorate approval.

2.2.2 Marking

The fire protection barrier must be marked by the manufacturer with the compliance mark (compliance symbol) in accordance with the national compliance mark ordinances. This marking must be made only if the preconditions according to Section 2.3 have been met.

The marking of the fire protection barrier must be effected by means of a sheet metal sign that must comprise the following permanently legible details:

- T 30-1-FSA "Teckentrup 42"¹² or T 30-1-RS-FSA "Teckentrup 42"¹² or
T 30-2-FSA "Teckentrup 42"¹² or T 30-2-RS-FSA "Teckentrup 42"¹² or
T 30-1-FSA "Teckentrup HT8-D"¹² or T 30-1-RS-FSA "Teckentrup HT8-D"¹²
- compliance mark (compliance symbol) with
 - Name of the manufacturer
 - Approval number: Z-6.20-1956
- Pictogram or designation of the certification office
- Plant of manufacture:¹²
- Year of manufacture:¹²

This sign must be permanently attached (for position of the sign see Annexes 1 and 2).

2.2.3 Installation instructions

Each fire protection barrier must be supplied complete with installation instructions in writing which the applicant / manufacturer prepares in accordance with this general building inspectorate approval and which at least must contain the sections of Document B^{3,4}, that are relevant for the respective fire protection barrier, and taking into account the respective installation situation, as well as the following details:

- Details for the installation of the fire protection barrier (e.g. adjoining walls / components, permissible means of attachment, attachment spacing, joint formation),
- Information on permissible execution variants and accessories,

¹² The details must be respectively affixed in direct vicinity to the letter "Ü".

- Instructions on any necessary assembly (door frames, glazings, seals),
- Information on the use of arrest systems.

2.3 Proof of compliance for the fire protection barrier

2.3.1 General

- 2.3.1.1 Component parts such as accessories, fire protection inserts a.o. may only be used in the manufacture of the fire protection barrier if the proof of compliance required for the same in the respective proof of usability is available.
- 2.3.1.2 For component parts such as accessories, fire protection inserts a.o., which significantly influence the above-mentioned characteristics of the fire protection barrier and whose usability was regulated in the approval procedure for this fire protection barrier, compliance with the provisions of this general building inspectorate approval must be proven, e.g. by a works certificate "2.1" according to DIN EN 10204¹³.
- 2.3.1.3 The verification of the compliance of the fire protection barrier with the provisions of this general building inspectorate approval must be effected for each manufacturing plant by means of a compliance certificate on the basis of factory production control and regular external monitoring including an initial test of the fire protection barrier in accordance with the following provisions.
- 2.3.1.4 For the granting of the compliance certificate and for the external monitoring, including the product testing to be carried out during the same, the manufacturer of the fire protection barrier must commission a certification body recognized for this purpose as well as a monitoring body recognized for this purpose.

The declaration that a compliance certificate has been granted must be made by the manufacturer by marking the building products with the compliance mark ("Ü" mark) stating the intended use.

The certification body must provide the Deutsche Institut für Bautechnik (German Institute for Construction Technology) with a copy of the compliance certificate granted by the same.

2.3.2 Factory production control

In each manufacturing plant for the fire protection barrier, a factory production control must be set up and carried out. Factory production control is understood to be the continuous production monitoring to be implemented by the manufacturer, by means of which the manufacturer ensures that the building products he produces comply with the provisions of this general building inspectorate approval as well as the specification in Document A³.

The factory production control must include at least the stipulations specified below, as well as those determined in agreement with the monitoring body recognized for this purpose, with regard to type and scope of the controls.

The results of the factory production control must be recorded. The records must comprise at least the following details:

- Designation of the building product and the components.
- Type of control or check-up
- Date of manufacture and test of the building product or the components.
- Results of controls and tests and, inasmuch as applicable, a comparison with the requirements.
- Signature of the person responsible for the factory production control.

The records must be kept for at least five years and submitted to the body tasked with external monitoring.

¹³ DIN EN 10204:2005-01 Metallic products - Types of inspection documents

As a rule, all fire protection barriers must be checked for compliance with the provisions of this general building inspectorate approval including the Documents A³ and B^{3,4}, filed for this purpose. In the case of large automated production series this check-up is to be effected by agreement with the monitoring body - but at least once on each day of production.

In the event of an unsatisfactory test result the manufacturer must immediately take the measures required to remove the defect. Fire protection barriers that do not meet the requirements must be handled such that any confusion with compliant ones are excluded. After the defect has been removed the relevant test must be repeated immediately - inasmuch as this is technically possible and required for verification of defect removal.

2.3.3 External monitoring

In each manufacturing plant for the fire protection barrier, the factory production control must be checked regularly by an external monitoring body, but at least twice a year.

In connection with the initial test of the fire protection barrier it must be checked whether the provisions of the Sections 1.1 and 2.1 and Document A³ of this general building inspectorate approval for the fire protection barrier have been complied with. It must be checked furthermore whether installation instructions in accordance with Section 2.2.3 are available and whether these meet the provisions in Document B^{3,4} as well as in Section 2.2.3.

In connection with external monitoring it must also be checked that building materials / components for the fire protection barrier are only used if the proof of compliance respectively required for the same is available.

The above paragraph does not apply to component parts such as accessories, fire protection inserts a.o. the usability of which has been regulated in the approval procedure for this fire protection barrier. These must be checked in each manufacturing plant in connection with the external monitoring of the manufacturing of the fire protection barriers. With regard to their constructional design and their characteristics these must correspond to the building products used in the approval examinations⁹.

The results of certification and external monitoring must be kept for at least five years. If so requested, these must be submitted by the certification body or the monitoring body to the Deutsche Institut für Bautechnik (German Institute for Construction Technology) and the competent building inspectorate.

3 Provisions for installation

3.1 General

The fire protection barrier must only be fitted in walls or connected to components which comply with the provisions of Annexes 3 and 4. The respective installation instructions in accordance with Section 2.2.3 must show drawings of the connections.

When installing the fire protection barrier into installation walls, the proofs of stability and usability for the partition walls remain unaffected thereby and, if required, must be provided in accordance with DIN 4103-1¹⁴.

3.2 Hold-open devices

The fire protection barrier may be executed complete with an arrest system suitable for the barrier, the usability of which has been proven by a general type approval.

If the manufacturer of the fire protection barrier already installs parts of an arrest system, these parts must comply with the provisions of the general type approval of the intended arrest system.

¹⁴ DIN 4103-1:1984-07 Internal non-load-bearing partitions; requirements, testing

4 Provisions for use and maintenance

4.1 General

The fire protection effect of the fire protection barriers is only ensured in the long term if these are always kept in a proper condition (e.g. no mechanical damage; no contamination; maintenance).

4.2 Reliability of use

Once initiated, it must only be possible to interrupt a closure process for the purpose of protecting persons. Once the closure area has become vacant again, the closure process must continue automatically.

Additional requirements due to other regulations, in particular health and safety regulations, accident prevention regulations, remain unaffected hereby.

4.3 Maintenance instructions

For each fire protection barrier, the applicant / manufacturer must supply maintenance instructions in writing.

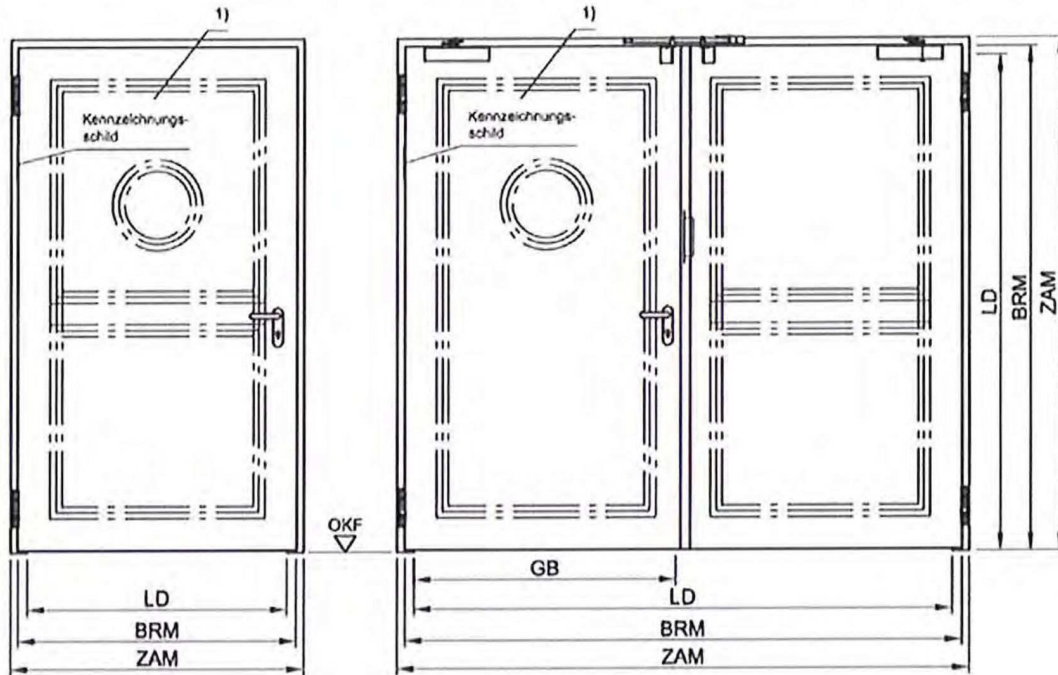
The maintenance instructions must show clearly which tasks are to be carried out in order to ensure that the fire protection barrier installed still fulfils its task even after an extended period of use (e.g. maintenance of wear parts, means of closure).

5 Compliance verification for the installation of the fire protection barrier

The company that has installed the fire protection barrier / fire protection barriers must issue a compliance verification certificate for each building project; this certifies that the fire protection barrier / fire protection barriers have been installed competently with regard to all details and in full compliance with all provisions of the general building inspectorate approval no. Z-6.20-1956 dated ... (and, if applicable, the provisions of the amendment and supplement notices dated ...) as well as the installation instructions provided by the applicant of this approval.

This verification certificate must be based on the sample in accordance with Annex 6. This confirmation must be handed over to the client for passing on to the competent building inspectorate, if applicable.

Maja Tiemann
Head of Department



Shown: Active leaf DIN left, active leaf DIN right mirror-inverted

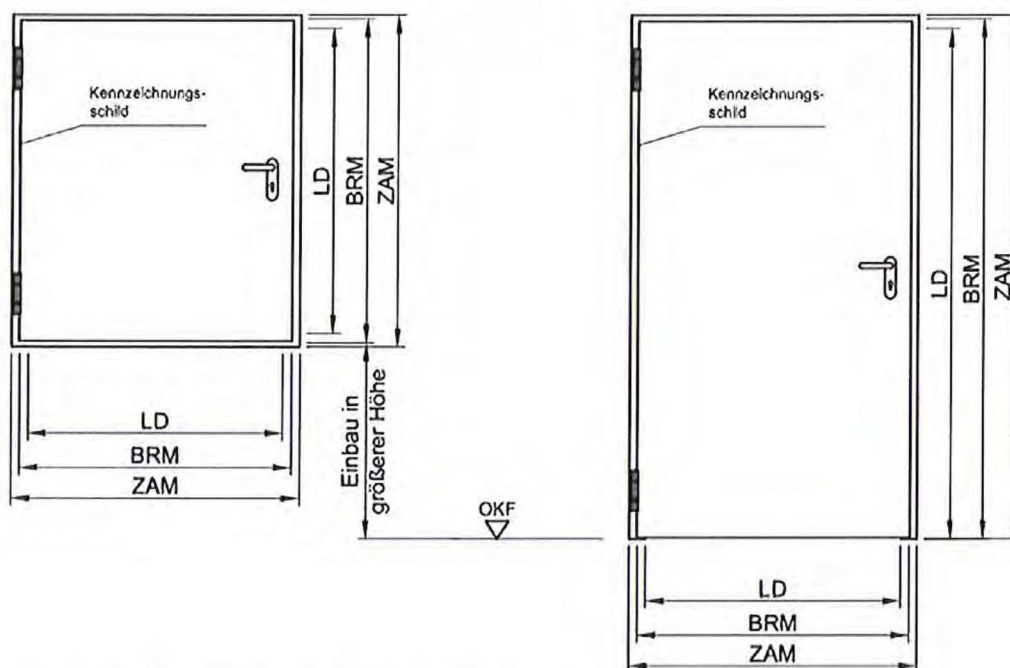
T 30-1-RS-FSA and T 30-2-RS-FSA „Teckentrup 42“ to be executed always with a bottom floor seal. In the case of a wall connection - door frames with mortar backfilling without any seal, otherwise permanently elastic seal at least on one side!

Fireproof closure	Basic dimension BRM [mm]		Door frame external dimension ZAM [mm]		Clearance LD [mm]		Active leaf 180° opening Opening width from / to
	Width B from / to	Height H from / to	Width B from / to	Height H from / to	Width B from / to	Height H from / to	
T 30-1-FSA T 30-1-RS-FSA	625 / 1250	1750 / 2500	691 / 1316	1783 / 2533	555 / 1180	1715 / 2465	-
T 30-2-FSA T 30-2-RS-FSA	1375 / 2500	1750 / 2500	1441 / 2566	1783 / 2533	1305 / 2430	1715/2465	745 / 1171

1) optionally with fire protection glazing - form remains free

When using an automatic retracting bolt in two-leaf FSA in connection with escape routes, only the escape route path width is available as opening width.

-View-	Annex 1
T 30-1-FSA "Teckentrup 42" or T 30-1-RS-FSA "Teckentrup 42" or	
T 30-2-FSA "Teckentrup 42" or T 30-2-RS-FSA "Teckentrup 42" or	
T 30-1-FSA "Teckentrup-HT8-D" or T 30-1-RS-FSA "Teckentrup-HT8-D"	



Shown: Active leaf DIN left, active leaf DIN right mirror-inverted

T 30-1-RS-FSA "Teckentrup HT8-D" to be carried out always with a bottom floor seal. In the case of a wall connection - door frames with mortar backfilling without any seal, otherwise permanently elastic seal at least on one side!

Fireproof closure	Basic dimension BRM [mm]		Door frame external dimension ZAM [mm]		Clearance LD [mm]	
	Width B from / to	Height H from / to	Width B from / to	Height H from / to	Width B from / to	Height H from / to
T 30-1-FSA T 30-1-RS-FSA 4-side door frame	625 / 1125	625 / 2125	691 / 1191	657 / 2157	555 / 1055	547 / 2047
T 30-1-FSA T 30-1-RS-FSA 3-side	625 / 1125	625 / 2125	691 / 1191	641 / 2141	555 / 1055	613 / 2086

- View -	Annex 2
T 30-1-FSA "Teckentrup 42" or T 30-1-RS-FSA "Teckentrup 42" or	
T 30-2-FSA "Teckentrup 42" or T 30-2-RS-FSA "Teckentrup 42" or	
T 30-1-FSA "Teckentrup-HT8-D" or T 30-1-RS-FSA "Teckentrup-HT8-D"	

The suitability of the fire protection barrier in accordance with this general building inspectorate approval in order to meet the requirements of fire protection has been proven in connection with the following walls/components.¹ When using the same, the building ordinance regulations must be complied with.

Walls and components	Minimum thickness [mm]	
Walls made from masonry in accordance with DIN 1053-1 ² , compressive strength class at least 12, standard mortar of mortar group \geq II	115	
Walls made from concrete in accordance with DIN 1045-1 ³ , strength class at least C 12/15	100	
Walls made from aerated concrete block or precision blocks in accordance with DIN 4165-3 ⁴ , strength class 4	1-leaf	115
	2-leaf	150
Walls made of reinforced - horizontal or vertical aerated concrete slabs, inasmuch as there is a general building inspectorate approval, strength class 4.4	115	
Walls (Height \leq 5m) - at least of fire resistance class F 30, designation (summary designation) F 30-A - according to DIN 4102-4 ⁵ Table 48 made of plasterboard - fire protection boards	88	
Walls (Height \leq 5m) - at least of fire resistance class F 30, designation (summary designation) F 30-B - according to DIN 4102-4 ⁵ Table 49 made of plasterboard - fire protection boards	88	
Cladded steel supports and/or carriers of fire resistance class F 60 - designation (summary designation) F 60-A - according to DIN 4102-4 ⁵		
Cladded wooden supports and/or carriers of fire resistance class F 60 - designation (summary designation) F 60-B - according to DIN 4102-4 ⁵		

¹ Specifications and details are stored in document B and part of the installation instructions

² DIN 1053-1 Masonry; Part 1: Calculation and execution (respective issue as currently amended)

³ DIN 1045-1 Concrete structures, reinforced concrete and prestressed concrete; Part 1: Design and construction (respective issue as currently amended)

⁴ DIN 4165 Aerated concrete blocks and cellular concrete precision blocks (respective issue as currently amended)

⁵ DIN 4102-4:1994-03 Fire behaviour of building materials and building components; assembly and application of classified building materials, components and special components

- Walls and components -	Annex 3
T 30-1-FSA "Teckentrup 42" or T 30-1-RS-FSA "Teckentrup 42" or	
T 30-2-FSA "Teckentrup 42" or T 30-2-RS-FSA "Teckentrup 42" or	
T 30-1-FSA "Teckentrup-HT8-D" or T 30-1-RS-FSA "Teckentrup-HT8-D"	

The suitability of the fire protection barrier in accordance with this general building inspectorate approval in order to meet the requirements of fire protection has been proven in connection with the following walls/components.¹ When using the same, the building ordinance regulations must be complied with.

Walls and components

Installation walls (height ≤ 5m) in frame construction with cladding on both sides - fire resistance class F 30 designation (summary designation) F 30-A: verified by general building inspectorate test certificates¹

- No. P-3956/1013-MPA BS 3.40.04, 3.40.04-06, 3.41.01 -04 minimum thickness =100 mm
- No. P-3157/4012-MPA BS W115, W116 minimum thickness =100 mm

Installation walls (height ≤ 5m) in frame construction with cladding on both sides - fire resistance class F 90 designation (summary designation) F 90-A: verified by general building inspectorate test certificates¹

- No. MPA-E-99-047 450.81 minimum thickness =150 mm
- No. P-3202/2028-MPA BS W353 minimum thickness =100 mm
- No. P-3213/2038-MPA BS 3.40.09 minimum thickness =150 mm
- No. P-3700/7008-MPA BS 3.60.20 minimum thickness =100 mm
- No. P-3696/6968-MPA BS 3.90.10 minimum thickness =125 mm
- No. P-3854/1372-MPA BS 1 S 31 minimum thickness =95 mm
- No. MPA-E-98-099 450.70 minimum thickness =84 mm
- No. P-3912/6000-MPA BS 150.70 minimum thickness =80 mm
- No. P-3515/0519-MPA BS minimum thickness =150 mm
- No. P-MPA-E-98-005 minimum thickness =100 mm

Cladded steel supports and/or carriers of at least fire resistance class F 60 - designation (summary designation) F 60-A - verified by general building inspectorate test certificates¹

- No. P-3186/4559-MPA BS following static proof
- No. P-3193/4629-MPA BS following static proof
- No. P-3738/7388-MPA BS following static proof
- No. P-3802/8029-MPA BS following static proof
- No. P-3069/073/12-MPA BS following static proof
- No. P-3067/071/12-MPA BS following static proof
- No. P-3175/4649-MPA BS following static proof
- No. P-3176/4659-MPA BS following static proof

Cladded steel supports and/or carriers of at least fire resistance class F 60 - designation (summary designation) F 60-B - verified by general building inspectorate test certificates¹

- No. P-3928/4649-MPA BS following static proof minimum thickness ≥ 120 x 120 mm
- No. P-3198/0889-MPA BS following static proof minimum thickness ≥ 120 x 120 mm
- No. P-3497/3879-MPA BS following static proof minimum thickness ≥ 100 x 160 mm
- No. P-3082/0729-MPA BS following static proof minimum thickness ≥ 120 x 120 mm

¹ Specifications and details are stored in document B and part of the installation instructions

- Walls and components -	Annex 4
T 30-1-FSA "Teckentrup 42" or T 30-1-RS-FSA "Teckentrup 42" or	
T 30-2-FSA "Teckentrup 42" or T 30-2-RS-FSA "Teckentrup 42" or	
T 30-1-FSA "Teckentrup-HT8-D" or T 30-1-RS-FSA "Teckentrup-HT8-D"	

Following agreement with the applicant of the approval, the following amendments and supplements may be carried out on fire protection barriers manufactured and installed in accordance with this general building inspectorate approval:

- Attachment of contacts, e.g. magnetic contacts and strike plate contacts (latch contacts) for closure monitoring, if these can be affixed or inserted into existing recesses.
- Routing of cables on the door leaf (this includes a drill - $\varnothing \leq 10$ mm - from one door leaf edge or surface into the lock pocket).
- Replacement of the lock by a suitable self-latching lock with catch¹, if this lock can be fitted into the existing lock pocket and no changes are required on the striker plate and the door leaf. Number and position of the locking points must be complied with.
- Installation of optical viewers, with the core drilling in the door leaf not allowed to exceed the diameter of 15 mm.
- Bolting, riveting or sticking information signs to the door leaf.
- Bolting, riveting or sticking strips (approx. up to 250 mm in width or height), fitted to handle height (max.), made from max. 1.5 mm sheet metal, e.g. kick or edge protection.
- Attachment of protection rods, inasmuch as suitable attachment points exist.
- Adding Z- and steel corner frames to steel surround frames.
- Glueing on strips made of wood, plastics, aluminium, steel in every form and position on glass panes.
- Attachment of holding plates for magnetic clamps of arrest systems¹ to the attachment points existing in the door leaf.

When renovating (refurbishing) existing fire protection doors the steel frames of these doors - inasmuch as these are anchored sufficiently firmly - may remain installed. The door frames of the fire protection doors to be newly installed may be attached to the existing door frames - if applicable, via appropriate connection parts. The new door frames must completely surround the old door frames remaining in place. Cavities between the door frames or between door frame and wall are to be filled with mortar or suitable non-flammable mineral materials, e.g. plasterboard and calcium silicate boards.

With regard to the smoke protection characteristic, the gap and connection joints of the fire protection barrier must always be sealed in permanently flexible fashion. All joints of the fire protection barrier, door frame and fitted parts must be sealed with building materials that are at least normally flammable.

¹ with (general) building inspectorate usability certificate

- Permissible amendments and supplements -	Annex 5
T 30-1-FSA "Teckentrup 42" or T 30-1-RS-FSA "Teckentrup 42" or T 30-2-FSA "Teckentrup 42" or T 30-2-RS-FSA "Teckentrup 42" or T 30-1-FSA "Teckentrup-HT8-D" or T 30-1-RS-FSA "Teckentrup-HT8-D"	

SAMPLE DOCUMENT

Confirmation of compliance

- Name and address of the company that has installed the fire protection barrier / fire protection barriers (article approved):

.....
.....

- Building project:

.....
.....

- Period of installation
of the fire protection barrier / fire protection barriers:

.....
.....

It is hereby confirmed that the approved article / approved articles has/have been installed competently with regard to all details and in compliance with all provisions of the general building inspectorate approval no.: Z-6.20-1956 by the Deutsche Institut für Bautechnik (German Institute for Construction Technology) dated ... (and, if applicable, the provisions of the amendment and supplement notices dated ...) as well as the installation instructions provided by the applicant of this approval / manufacturer of this fire protection barrier.

.....

(Place, date)

.....

(Company/Signature)

(This certificate must be handed over to the client for passing on to the competent building inspectorate, if applicable and required.)

- Sample for a compliance confirmation certificate -	Annex 6
T 30-1-FSA "Teckentrup 42" or T 30-1-RS-FSA "Teckentrup 42" or T 30-2-FSA "Teckentrup 42" or T 30-2-RS-FSA "Teckentrup 42" or T 30-1-FSA "Teckentrup-HT8-D" or T 30-1-RS-FSA "Teckentrup-HT8-D"	