

European Technical Assessment

ETA 22/0010**Version 01**

Date of issue: 2022-03-31



UBAtc Assessment Operator:
Belgian Construction Certification Association
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Technical Assessment Body issuing the European Technical Assessment: UBAtc.
UBAtc has been designated according to Article 29 of Regulation (EU) No 305/2011
and is member of EOTA (European Organisation for Technical Assessment)

Trade name of the construction product:

JB 4000

Product family to which the construction product belongs:

Internal partition kits for use as non-load bearing walls

Manufacturer:

Beddeleem n.v.
Venecoweg 14A
B-9810 Nazareth
Belgium

Manufacturing plants:

Beddeleem n.v.
Venecoweg 14A
B-9810 Nazareth
Belgium

Website:

www.beddeleem.be

This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of:

EAD guideline EAD 210005-00-0505

This European Technical Assessment contains:

21 pages, including 1 annex, which forms an integral part of this ETA.



European Organisation for Technical Assessment

Legal bases and general conditions

- 1 This European Technical Assessment is issued by UBAtc (Union belge pour l'Agrément technique de la construction, i.e. Belgian Union for technical Approval in construction), in accordance with:
 - Regulation (EU) N° 305/2011¹ of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC
 - Commission Implementing Regulation (EU) N° 1062/20132 of 30 October 2013 on the format of the European Technical Assessment for construction products
 - EAD guideline 210005-00-0505.
- 2 Under the provisions of Regulation (EU) No 305/2011, UBAtc is not authorized to check whether the provisions of this European Technical Assessment are met once the ETA has been issued.
- 3 The responsibility for the conformity of the performances of the products with this European Technical Assessment and the suitability of the products for the intended use remains with the holder of the European Technical Assessment.
- 4 Depending on the applicable Assessment and verification of constancy of performance (AVCP) system, (a) notified body(ies) may carry out third-party tasks in the process of assessment and verification of constancy of performance under this Regulation once the European Technical Assessment has been issued.
- 5 This European Technical Assessment allows the manufacturer of the construction product covered by this ETA to draw up a declaration of performance for the construction product.
- 6 CE marking should be affixed to all construction products for which the manufacturer has drawn up a declaration of performance.
- 7 This European Technical Assessment is not to be transferred to other manufacturers, agents of manufacturers, or manufacturing plants other than those indicated on page 1 of this European Technical Assessment.
- 8 The European Technical Assessment holder confirms to guarantee that the product(-s) to which this assessment relates, is/are produced and marketed in accordance with and comply with all applicable legal and regulatory provisions, including, without limitation, national and European legislation on the safety of products and services. The ETA-holder shall notify the UBAtc immediately in writing of any circumstance affecting the aforementioned guarantee. This assessment is issued under the condition that the aforementioned guarantee by the ETA-holder will be continuously observed.
- 9 According to Article 11(6) of Regulation (EU) No 305/2011, when making a construction product available on the market, the manufacturer shall ensure that the product is accompanied by instructions and safety information in a language determined by the Member State concerned which can be easily understood by users. These instructions and safety information should fully correspond with the technical information about the product and its intended use which the manufacturer has submitted to the responsible TAB for the issuing of the European Technical Assessment.
- 10 Pursuant to Article 11(3) of Regulation (EU) No 305/2011, manufacturers shall adequately take into account changes in the product-type and in the applicable harmonised technical specifications. Therefore, when the contents of the issued European Technical Assessment do not any longer correspond to the product-type, the manufacturer should refrain from using this European Technical Assessment as the basis for their declaration of performance.
- 11 All rights of exploitation in any form and by any means of this European Technical Assessment are reserved for UBAtc and the ETA-holder, subject to the provisions of the applicable UBAtc regulations.
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- 13 Subject to the application introduced, this European Technical Assessment is issued in English and may be issued by the UBAtc in its official languages. The translations correspond fully to the English reference version circulated in EOTA.
- 14 This European Technical Assessment was first issued by UBAtc on 31 March 2022.

¹ OJEU, L 88 of 2011/04/04

² OJEU, L 289 of 2013/10/31

Technical Provisions

1 Technical description of the product

1.1 Characteristics of the products

1.1.1 General

The JB 4000 internal partitions are modular, storey-high partitions composed of a steel structure and glazed panels.

The maximum dimensions of the modules are, dependent on the thickness of the glazing, 2700 mm, 3100 mm, 3800 mm or 4100 mm high per 1200 mm wide.

The glazed partition panels consist either of thermally toughened glass or laminated safety glass framed in an aluminum profile.

The partition's framework consists of top and bottom runners in lacquered aluminum U-shaped profiles.

The glass panes are held in place by the top and bottom runners. The bottom runner consists of a base profile and a clips profile. Contact of the glass with the aluminium profiles is avoided by TPE profiles. Each glass panel is additionally secured at the top by a stainless steel clamping profile. The axis between the glazing is the same as the width of the module. Closed-cell foam-rubber strips are applied on the top and bottom runners.

2 Specification of the intended use(s) in accordance with the applicable EAD

2.1 General

The description of components used for the JB 4000 kit versions covered by this ETA are given in Annex A.

The JB 4000 kit versions covered by this ETA are the following:

Table 1: JB 4000 versions

Configuration code	Description
JB 4000-00-gw-1-a	Laminated glass 55.2 framed in an aluminium profile
JB 4000-00-gw-1-b	Tempered glass of 10 mm framed in an aluminium profile
JB 4000-00-gw-1-c	Laminated glass 66.2 framed in an aluminium profile
JB 4000-00-gw-1-d	Tempered glass of 12 mm framed in an aluminium profile
JB 4000-00-gw-2-a	Laminated glass 88.2 framed in an aluminium profile
JB 4000-00-gw-2-b	Tempered glass of 15 mm framed in an aluminium profile
JB 4000-00-gw-2-c	Laminated glass 1010.2 framed in an aluminium profile

Drawings of the assessed version kits are given in Annex A.

2.2 Intended uses

This ETA covers the JB 4000 internal partition kits intended to be used as relocatable non-loadbearing walls to divide the interior of residential buildings, offices and public buildings, under the following conditions:

- an average air temperature range from 5 °C to 35 °C with a minimum of 0 °C and a maximum of 50 °C;
- an average relative daily humidity range from 20 % RH to 75 % RH with maximum air relative humidity only exceeding 85 % RH for short periods of time;
- in zones accessible to users with some/little incentive care.
- Risk of accidents occurring and of misuse : in case of failure risk includes the fall to a floor at a lower level (use categories IV as specified in EAD guideline 210005-00-0505, Table 2);
- in zones where surface requirements with respect to hygiene, air quality, static electricity, etc. are of the same nature and magnitude as those in dwellings, offices, schools, institutions, etc.

The assumed working life of JB 4000 internal partition kits is 25 years.

Indications given regarding the working life cannot be interpreted as a guarantee given by the producer or the UBAtc, but are to be regarded only as a means for choosing the appropriate product(s) in relation to the expected economically reasonable working life of the construction works.

2.3 Provisions related to manufacturing, packaging and storage

The JB 4000 internal partitions are manufactured, packed and stored according to the procedure laid down in the technical file deposited with the UBAtc.

2.4 Packaging, transportation, storage, installation, maintenance, replacement and repair

Concerning product packaging, transport, storage, installation, maintenance, replacement and repair it is the responsibility of the manufacturer to undertake the appropriate measures and to advise his clients on the transport, storage, installation, maintenance, replacement and repair of the product as he considers necessary.

It is assumed that the kit will be installed according to the manufacturer's instructions or (in absence of such instructions) according to the usual practice of the building professionals.

2.5 Provisions related to the design and use of the product

The installation instructions, including special installation techniques and provisions for the qualification of the personnel are given in the manufacturer's technical documentation.

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

3.1 Essential characteristics

3.1.1 Safety in case of fire

3.1.1.1 Reaction to fire

No performance have been assessed for the JB 4000 internal partition kits covered by this ETA.

3.1.1.2 Fire resistance

No performance have been assessed for the JB 4000 internal partition kits covered by this ETA.

3.1.2 Hygiene, Health and Environment

3.1.2.1 Release of dangerous substances

Formaldehyde:

The formaldehyde class is not relevant for the JB 4000 internal partition kits.

Asbestos (content):

The JB 4000 internal partition kits covered by this ETA do not contain asbestos.

Pentachlorophenol:

The JB 4000 internal partition kits covered by this ETA do not contain pentachlorophenol.

Other dangerous material:

The applicant declares no other dangerous substances are contained in or emitted by the JB 4000 internal partition kits covered by this ETA.

3.1.2.2 Water vapour permeability

No performance assessed.

3.1.2.3 Water permeability

No performance assessed.

3.1.3 Safety and accessibility in use

3.1.3.1 Sill height

The Sill height of the JB 4000 internal partition kits covered by this ETA is 900 mm.

3.1.3.2 Resistance to damage and functional failure from horizontal loads

3.1.3.2.1 Resistance to damage and functional failure from soft body impact load

According to EAD 210005-00-0505, annex E with amendments and modifications as described in annex A and B, the resistance to structural damage and functional failure from soft body impact load of the JB 4000 internal partition kits covered by this ETA is shown in Table 2 and Table 3.

Table 2: Resistance to structural damage from soft body impact load of the JB 4000 internal partition kits

Configuration	Use category	Structural damage test criteria
JB 4000-00-gw-1-a	IVc	<ul style="list-style-type: none"> – No penetration – No collapse – No projection – No other dangerous failure
JB 4000-00-gw-1-b		
JB 4000-00-gw-1-c		
JB 4000-00-gw-1-d		
JB 4000-00-gw-2-a		
JB 4000-00-gw-2-b		
JB 4000-00-gw-2-c		

Table 3: Resistance to functional failure from soft body impact load of the JB 4000 internal partition kits

Configuration	Use category	Structural damage test criteria	
		Max deflection during impact	
JB 4000-00-gw-1-a	IV	24.6	<ul style="list-style-type: none"> – No functional failure – Maximum residual deflection 1,3 mm – Increase in residual deflection systematically decreasing – Opening of door still possible
JB 4000-00-gw-1-b		26.2	
JB 4000-00-gw-1-c		/	
JB 4000-00-gw-1-d		/	
JB 4000-00-gw-2-a		/	
JB 4000-00-gw-2-b		/	
JB 4000-00-gw-2-c		/	

3.1.3.2.2 Resistance to damage and functional failure from hard body impact load

The resistance to structural damage and functional failure from hard body impact load of the JB 4000 internal partition kits covered by this ETA is shown in Table 4 and Table 5.

Table 4: Resistance to structural damage from hard body impact load of the JB 4000 internal partition kits

Configuration	Use category	Structural damage test criteria
JB 4000-00-gw-1-a	IVc	<ul style="list-style-type: none"> – No complete penetration – No falling debris – No other dangerous failure
JB 4000-00-gw-1-b		
JB 4000-00-gw-1-c		
JB 4000-00-gw-1-d		
JB 4000-00-gw-2-a		
JB 4000-00-gw-2-b		
JB 4000-00-gw-2-c		

Table 5: Resistance to functional failure from hard body impact load of the JB 4000 internal partition kits

Configuration	Use category	Structural damage test criteria	
		Range of diameters of indentation marks	
JB 4000-00-gw-1-a	IV	Not visible	No functional failure
JB 4000-00-gw-1-b		Not visible	
JB 4000-00-gw-1-c		Width: 2 mm Depth: <1 mm	
JB 4000-00-gw-1-d		Not visible	
JB 4000-00-gw-2-a		Not visible	
JB 4000-00-gw-2-b		Not visible	
JB 4000-00-gw-2-c		Not visible	

3.1.3.2.3 Resistance to structural damage from eccentric vertical load

No performance assessed.

3.1.3.2.4 Resistance to horizontal linear static loads

No performance assessed.

3.1.3.2.5 Resistance to functional failure from point loads parallel or perpendicular to the surface

No performance assessed.

3.1.3.3 Rigidity of partitions to be used as a substrate for ceramic tiling

Not relevant.

3.1.3.4 Safety against personal injuries by contact

The JB 4000 internal partition kits present no risk of abrasion or cutting people by nature of the surfaces.

3.1.3.5 Resistance to deterioration caused by physical agents

Although no specific evaluation was performed, no deterioration is expected under normal uses.

3.1.3.6 Resistance to deterioration caused by chemical agents

Although no specific evaluation was performed, no deterioration is expected under normal uses.

3.1.3.7 Resistance to deterioration caused by biological agents

Although no specific evaluation was performed, no deterioration is expected under normal uses.

3.1.4 Protection against noise

3.1.4.1 Airborne sound insulation

According to EN ISO 10140-2 and EN ISO 717-1, the sound reduction index of the JB 4000 internal partition kits covered by this ETA is:

Table 6: Sound reduction index of the JB 4000 internal partition kits

Configuration	Sound reduction index R_w
	(dB)
JB 4000-00-gw-a-c	36

No performance have been assessed for the other configurations.

3.1.4.2 Sound absorption

No performance assessed.

3.1.5 Energy economy and heat retention

3.1.5.1 Thermal resistance

No performance assessed.

3.1.5.2 Thermal inertia

No performance assessed.

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

NOTE: In accordance with Regulation (EU) N° 305/2011, Directive 89/106/EEC is repealed, but references to the repealed Directive shall be construed as references to the Regulation.

According to the European Commission Decision 1998/0213/EC, system 4 of attestation of conformity applies.

The systems to be applied have been specified in the table 7.

Table 7: Systems of assessment and verification of constancy of performance

Product(s)	Intended use(s)	Level(s) or class(es)	AVCP system(s) ^a
Internal partition kits	for uses subject to reaction to fire requirements	A*, B*, C*	1
		A**, B**, C**	3
		A (without testing), A, E, F	4
	For fire compartmentation	Any	3
	For uses subject to regulations on dangerous substances***	/	3
	For uses liable to present "safety-in-use" risks and subject to such regulations	/	3
	For uses other than those mentioned above	/	4
^a See Annex V to Regulation (EU) N° 305/2011			
[*] Materials for which the reaction to fire performance is susceptible to change during the production process			
^{**} Materials for which the reaction to fire performance is not susceptible to change during the production process			
^{***} In particular those dangerous substances defined in Council Directive 76/769/EEC, as amended.			

5 Technical details necessary for the implementation of the AVCP system

5.1 Tasks for the ETA-holder

5.1.1 Factory production control (FPC)

5.1.1.1 General

The manufacturer shall establish, document and maintain a FPC system to ensure that the products placed on the market conform to the stated performance characteristics. The FPC system shall consist of procedures, regular inspections and tests and/or assessments and the use of the results to control raw and other incoming materials or components, equipment, the production process and the product.

A FPC system conforming with the requirements of EN ISO 9001, and made specific to the requirements of this ETA, is considered to satisfy the above requirements.

The results of inspections, tests or assessments requiring action shall be recorded, as shall any action taken. The action to be taken when control values or criteria are not met shall be recorded.

5.1.1.2 Equipment

All weighing, measuring and testing equipment shall be calibrated and regularly inspected according to documented procedures, frequencies and criteria.

5.1.1.3 Raw materials and components

The specifications of all incoming raw materials and components shall be documented, as shall the inspection scheme for ensuring their conformity.

5.1.1.4 Non-conforming products

In the event of any non-conformity of any product, that product shall be placed into quarantine and action taken to rectify the cause of the non-conformity. Products may not subsequently be dispatched until the problem has been resolved.

5.1.1.5 Tests and frequencies

All the elements, requirements and provisions adopted by the manufacturer are documented in a systematic manner in the form of written policies and procedures. This production control system ensures that the product is in conformity with the European Technical Assessment (ETA).

5.2 Tasks for the Technical Assessment Body

5.2.1 Assessment of the performance of the construction product

Assessment of partition kits has been conducted under the responsibility by the assessment body (UBAtc) on the basis of EAD guideline 210005-00-0505. These assessment results should be used for the purposes of assessment of the performance of the construction product in accordance with Regulation (EU) N° 305/2011, Annex V, clause 1.6.

5.2.2 Assessment of the factory production control - Initial inspection and continuous surveillance

Assessment of the FPC is the responsibility of a Notified Body. An assessment shall be carried out on the required manufacturing steps of each manufacturing plant to demonstrate that the factory production control is in conformity with the ETA and any subsidiary information. This assessment is based on an initial inspection of the factory.

6 Bibliography


- EAD guideline 210005-00-0505 – Internal partition kits for use as non-load bearing walls
- EN ISO 10140-2:2010 Acoustics - Measurement of sound insulation in buildings and of building elements - Part 2: measurement of airborne sound insulation
- EN ISO 354:2003 Acoustics - Measurement of sound absorption in a reverberation room
- EN 515: 1993 Aluminium and aluminium alloys - Wrought products - Temper designations
- EN 520:2004+A1:2009 Gypsum plasterboards - Definitions, requirements and test methods
- EN 573-1:2004 Aluminium and aluminium alloys - Chemical composition and form of wrought products - Part 1: Numerical designation system
- EN ISO 717-1:1996 Acoustics - Rating of sound insulation in buildings and of building elements - Part 1: Airborne sound insulation
- EN ISO 717-1:1996/A1:2006 Acoustics - Rating of sound insulation in buildings and of building elements - Part 1: Airborne sound insulation - Amendment 1: Rounding rules related to single number ratings and single number quantities
- ISO 7892:1988 Vertical building elements -- Impact resistance tests -- Impact bodies and general test procedures
- ISO/DIS 7893:1990 Performance standards in building – Partitions made of components – Impact resistance tests
- ISO/DIS 8413:1990 Performance standards in building – Partitions made of components – Tests for ability to withstand suspended static loads
- EN 10147:2000 Continuously hot-dip zinc coated structural steel sheet and strip – Technical delivery conditions
- EN 10152:2009 Electrolytically zinc coated cold rolled steel flat products for cold forming - Technical delivery conditions
- EN 10327:2004 Continuously hot-dip coated strip and sheet of low carbon steels for cold forming - Technical delivery conditions
- EN ISO 11654:1997 Acoustics - Sound absorbers for use in buildings - Rating of sound absorption
- EN 12150-1:2000 Glass in building - Thermally toughened soda lime silicate safety glass - Part 1: Definition and description
- EN 12600:2002 Glass in building - Pendulum test - Impact test method and classification for flat glass
- EN 13162:2008 Thermal insulation products for buildings - Factory made mineral wool (MW) products - Specification
- EN 13501-1:2007+A1:2009 Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests
- EN 13501-2:2007+A1:2009 Fire classification of construction products and building elements - Part 2: Classification using data from fire resistance tests, excluding ventilation services
- EN 13986:2004 Wood-based panels for use in construction - Characteristics, evaluation of conformity and marking
- EN 14449:2005 Glass in building - Laminated glass and laminated safety glass - Evaluation of conformity/Product standard
- EN 14449:2005/AC:2005 Glass in building - Laminated glass and laminated safety glass - Evaluation of conformity/Product standard.

UBAtc asbl is a non-profit organization according to Belgian law. It is a Technical Assessment Body notified by the Belgian notifying authority, the Federal Public Services Economy, SMEs, Self-Employed and Energy, on 17 July 2013 in the framework of Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC and is member of the European Organisation for Technical Assessment, EOTA (www.eota.eu).

This European Technical Assessment has been issued by UBAtc asbl, in Sint-Stevens-Woluwe, on the basis of the technical work carried out by the Assessment Operator, BCCA.

On behalf of UBAtc asbl,

On behalf of the Assessment Operator, BCCA,
responsible for the technical content of the ETA,



Eric Winnepenninckx
secretary general



Benny De Blaere,
director



Olivier Delbrouck,
director general

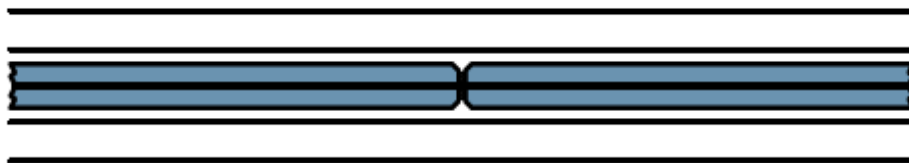
The most recent version of this European Technical Assessment may be consulted on the UBAtc website (www.butgb-ubadc.be).

ANNEX A: DESCRIPTION OF THE COMPONENTS USED FOR THE JB 4000

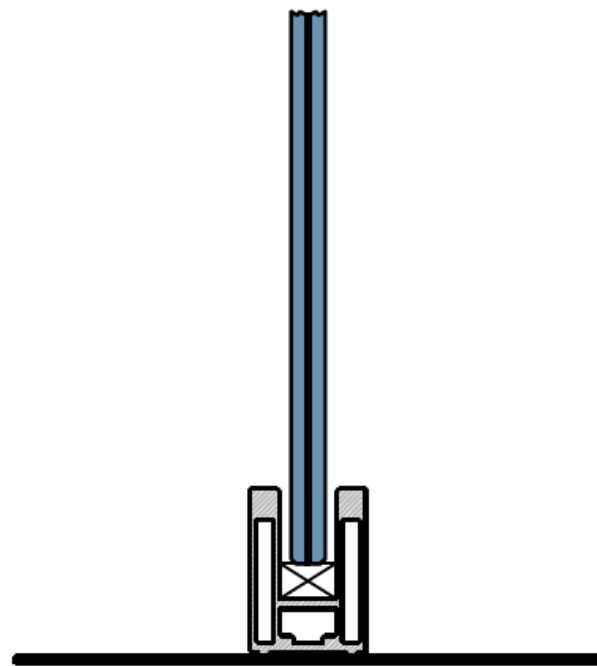
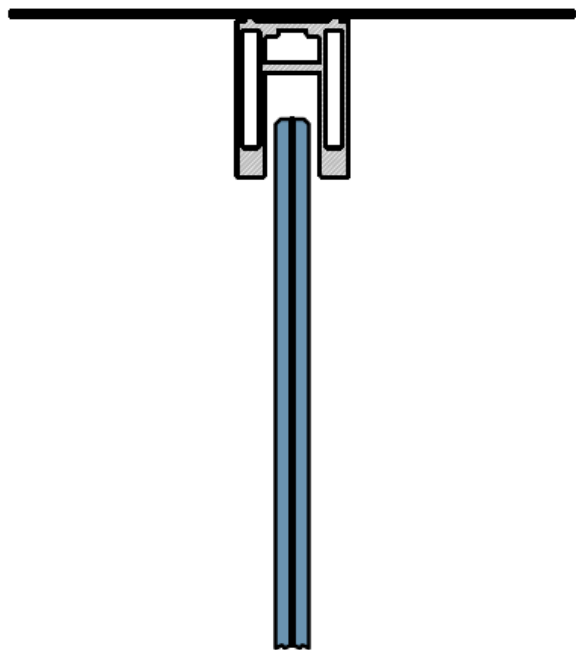
JB4000-00-GW-1-a		
Glazed partition, laminated glass 55.2, glasses framed in profile Alu		
Drawing Nr	Component	Material characteristics
I00001	GLAS 55.2	Laminated safety glass 55.2 EN 14449. EN 12600: 1B1.
P00611	BASE PROFILE JB 4000	Extruded profile. Aluminium EN 573-1: EN AW-6060 T6 F22.
P00613	CLIPS PROFILE JB 4000	Extruded profile. Aluminium EN 573-1: EN AW-6060 T6 F22.
333	COUPLING PROFILE I 10mm	Extruded profile. Aluminium EN 573-1: EN AW-6060 T6 F22.
370	SET BLOCK 15x80	Teflon 10 mm thickness
371	SET BLOCK 15x80	Teflon 5 mm thickness
808	SET BLOCK Yellow	Wood 4 mm thickness
1502	STRAIGHT CONNECTOR 120 x 15,8	Steel, zinc coated 3 mm thickness
551	HAMMERNUT SLOT M6	Steel, zinc coated.
146	SET SCREW M6x12	Steel, zinc coated
572	SCREW BOLT M5x10	Inox
621	HAMMERNUT SLOT M5	Steel, zinc coated.
1294	GLAS CLAMP JB4	Inox 1 mm thickness
962	FOAM RUBBER STRIP 3 x 20mm	Polyethylene small sized cell foam, one-sided adhesive, density = 60kg/m3
418	SEALING PROFILE BEAD L	Extruded profile. TPE
Drawings: see next page		

JB4000-00-GW-1-a

Glazed partition, laminated glass 55.2, glasses framed in profile Alu



Horizontal view



Vertical view

JB4000-00-GW-1-b

Glazed partition, tempered glass 10 mm, glasses framed in profile Alu

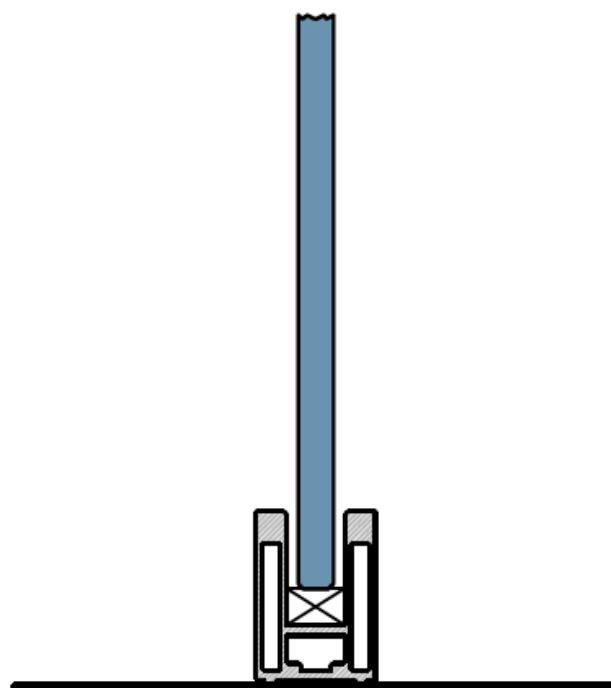
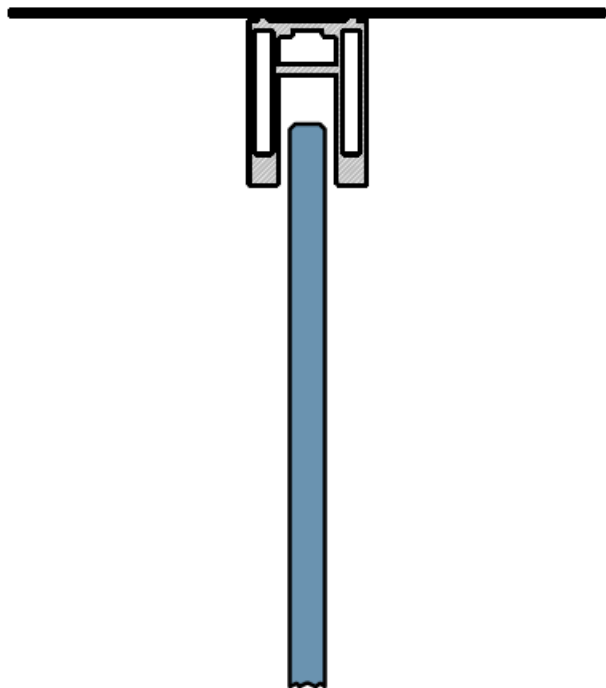
Drawing Nr	Component	Material characteristics
I00001	GLAS 10 mm	Thermally toughened glass 10mm EN 12150-1. EN 12600: 1C2.
P00611	BASE PROFILE JB 4000	Extruded profile. Aluminium EN 573-1: EN AW-6060 T6 F22.
P00613	CLIPS PROFILE JB 4000	Extruded profile. Aluminium EN 573-1: EN AW-6060 T6 F22.
333	COUPLING PROFILE I 10mm	Extruded profile. Aluminium EN 573-1: EN AW-6060 T6 F22.
370	SET BLOCK 15x80	Teflon 10 mm thickness
371	SET BLOCK 15x80	Teflon 5 mm thickness
808	SET BLOCK Yellow	Wood 4 mm thickness
1502	STRAIGHT CONNECTOR 120 x 15,8	Steel, zinc coated 3 mm thickness
551	HAMMERNUT SLOT M6	Steel, zinc coated.
146	SET SCREW M6x12	Steel, zinc coated
572	SCREW BOLT M5x10	Inox
621	HAMMERNUT SLOT M5	Steel, zinc coated.
1294	GLAS CLAMP JB4	Inox 1 mm thickness
962	FOAM RUBBER STRIP 3 x 20mm	Polyethylene small sized cell foam, one-sided adhesive, density = 60kg/m3
418	SEALING PROFILE BEAD L	Extruded profile. TPE
Drawings: see next page		

JB4000-00-GW-1-b

Glazed partition, tempered glass 10 mm, glasses framed in profile Alu



Horizontal view



Vertical view

JB4000-00-GW-1-c

Glazed partition, laminated glass 66.2, glasses framed in profile Alu

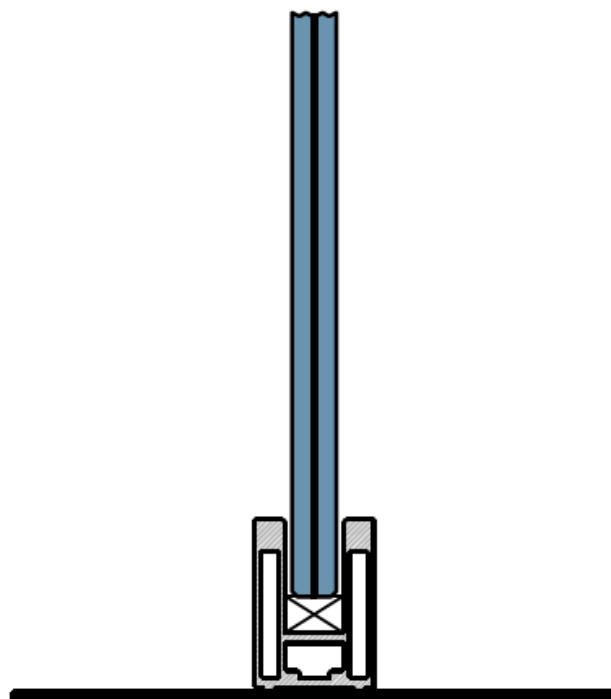
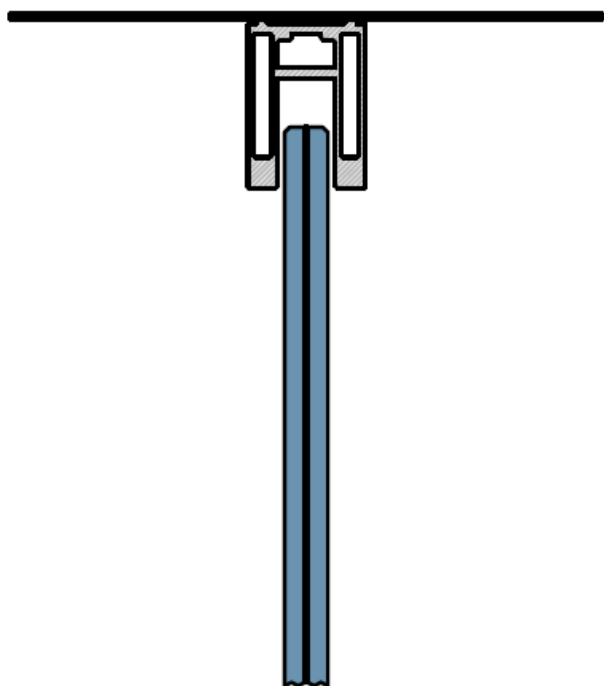
Drawing Nr	Component	Material characteristics
I00001	GLAS 66.2	Laminated safety glass 66.2 EN 14449. EN 12600: 1B1.
P00611	BASE PROFILE JB 4000	Extruded profile. Aluminium EN 573-1: EN AW-6060 T6 F22.
P00613	CLIPS PROFILE JB 4000	Extruded profile. Aluminium EN 573-1: EN AW-6060 T6 F22.
443	COUPLING PROFILE I 12,8mm	Extruded profile. Aluminium EN 573-1: EN AW-6060 T6 F22.
370	SET BLOCK 15x80	Teflon 10 mm thickness
371	SET BLOCK 15x80	Teflon 5 mm thickness
808	SET BLOCK Yellow	Wood 4 mm thickness
1502	STRAIGHT CONNECTOR 120 x 15,8	Steel, zinc coated 3 mm thickness
551	HAMMERNUT SLOT M6	Steel, zinc coated.
146	SET SCREW M6x12	Steel, zinc coated
572	SCREW BOLT M5x10	Inox
621	HAMMERNUT SLOT M5	Steel, zinc coated.
1294	GLAS CLAMP JB4	Inox 1 mm thickness
962	FOAM RUBBER STRIP 3 x 20mm	Polyethylene small sized cell foam, one-sided adhesive, density = 60kg/m3
119	SEALING PROFILE BEAD M	Extruded profile. TPE
Drawings: see next page		

JB4000-00-GW-1-c

Glazed partition, laminated glass 66.2, glasses framed in profile Alu



Horizontal view



Vertical view

JB4000-00-GW-1-d

Glazed partition, tempered glass 12 mm, glasses framed in profile Alu

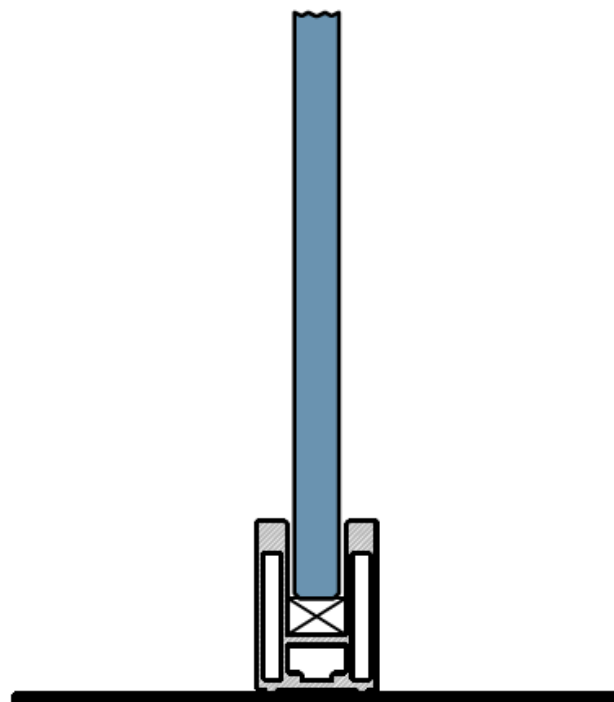
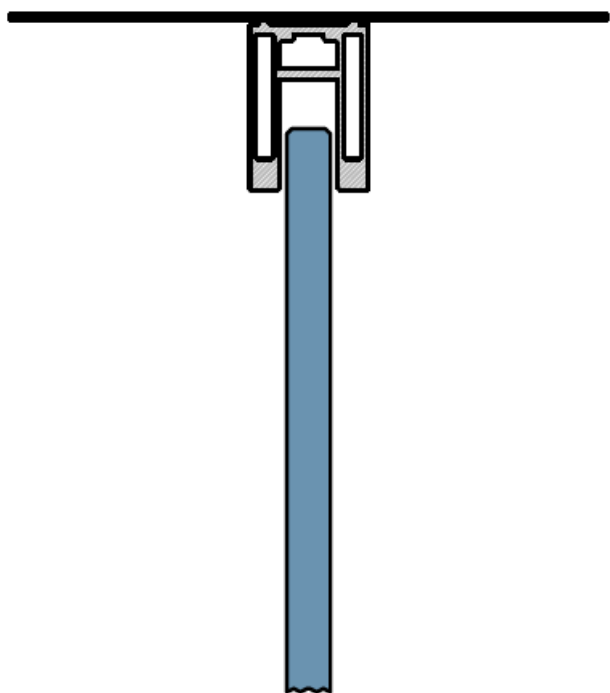
Drawing Nr	Component	Material characteristics
I00001	GLAS 12 mm	Thermally toughened glass 12mm EN 12150-1. EN 12600: 1C2.
P00611	BASE PROFILE JB 4000	Extruded profile. Aluminium EN 573-1: EN AW-6060 T6 F22.
P00613	CLIPS PROFILE JB 4000	Extruded profile. Aluminium EN 573-1: EN AW-6060 T6 F22.
443	COUPLING PROFILE I 12,8mm	Extruded profile. Aluminium EN 573-1: EN AW-6060 T6 F22.
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621	HAMMERNUT SLOT M5	Steel, zinc coated.
1294	GLAS CLAMP JB4	Inox 1 mm thickness
962	FOAM RUBBER STRIP 3 x 20mm	Polyethylene small sized cell foam, one-sided adhesive, density = 60kg/m3
119	SEALING PROFILE BEAD M	Extruded profile. TPE
Drawings: see next page		

JB4000-00-GW-1-d

Glazed partition, tempered glass 12 mm, glasses framed in profile Alu



Horizontal view



Vertical view

JB4000-00-GW-2-a

Glazed partition, laminated glass 88.2, glasses framed in profile Alu

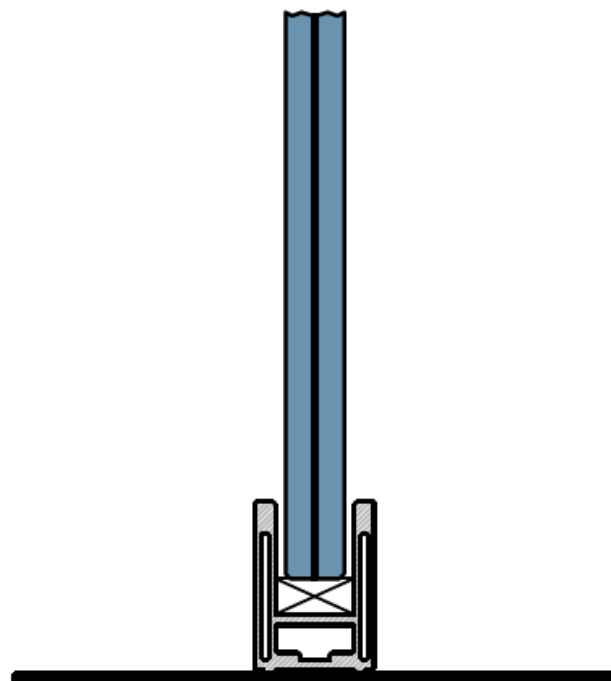
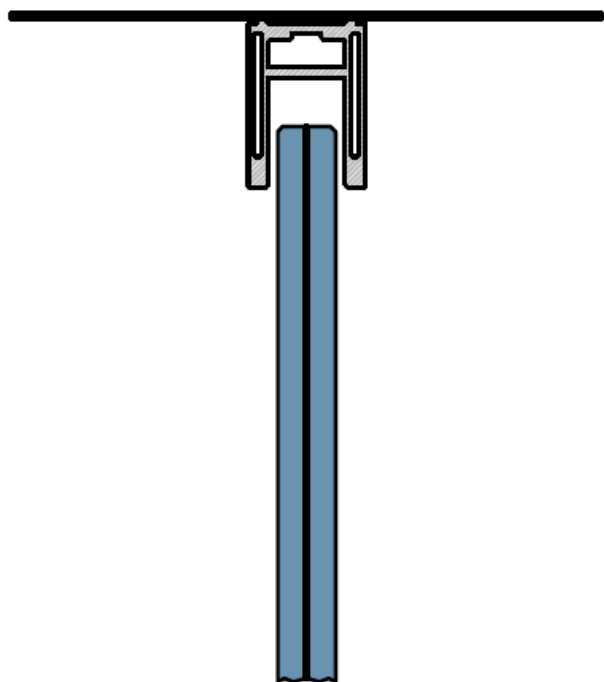
Drawing Nr	Component	Material characteristics
I00001	GLAS 88.2	Laminated safety glass 88.2 EN 14449. EN 12600: 1B1.
P00611	BASE PROFILE JB 4000	Extruded profile. Aluminium EN 573-1: EN AW-6060 T6 F22.
P00613	CLIPS PROFILE JB 4000	Extruded profile. Aluminium EN 573-1: EN AW-6060 T6 F22.
1299	COUPLING PROFILE I 16,8mm	Extruded profile. Aluminium EN 573-1: EN AW-6060 T6 F22.
370	SET BLOCK 15x80	Teflon 10 mm thickness
371	SET BLOCK 15x80	Teflon 5 mm thickness
808	SET BLOCK Yellow	Wood 4 mm thickness
1502	STRAIGHT CONNECTOR 120 x 15,8	Steel, zinc coated 3 mm thickness
551	HAMMERNUT SLOT M6	Steel, zinc coated.
146	SET SCREW M6x12	Steel, zinc coated
572	SCREW BOLT M5x10	Inox
621	HAMMERNUT SLOT M5	Steel, zinc coated.
1294	GLAS CLAMP JB4	Inox 1 mm thickness
962	FOAM RUBBER STRIP 3 x 20mm	Polyethylene small sized cell foam, one-sided adhesive, density = 60kg/m3
428	SEALING PROFILE BEAD S	Extruded profile. TPE
Drawings: see next page		

JB4000-00-GW-2-a

Glazed partition, laminated glass 88.2, glasses framed in profile Alu



Horizontal view



Vertical view

JB4000-00-GW-2-b

Glazed partition, tempered glass 15 mm, glasses framed in profile Alu

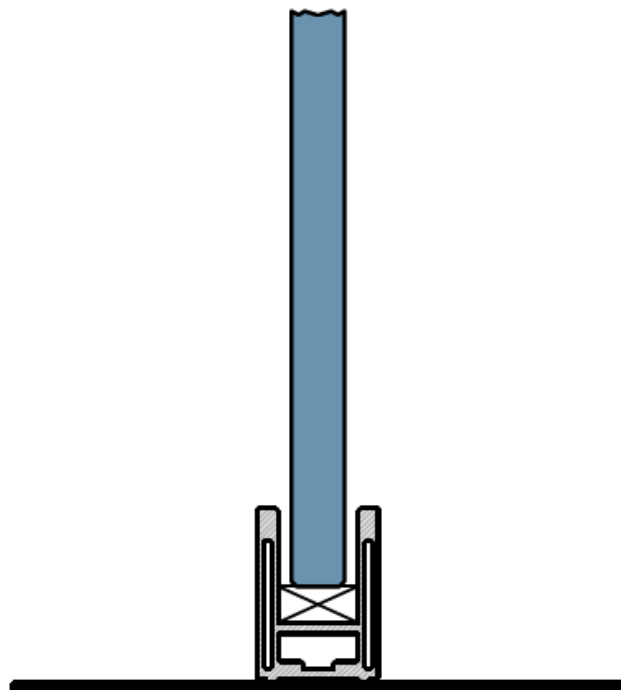
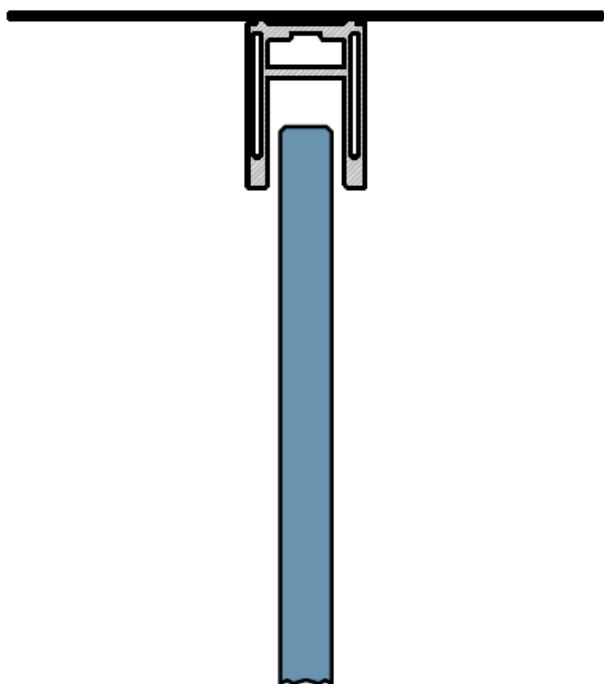
Drawing Nr	Component	Material characteristics
I00001	GLAS 15 mm	Thermally toughened glass 15mm EN 12150-1. EN 12600: 1C2.
P00611	BASE PROFILE JB 4000	Extruded profile. Aluminium EN 573-1: EN AW-6060 T6 F22.
P00613	CLIPS PROFILE JB 4000	Extruded profile. Aluminium EN 573-1: EN AW-6060 T6 F22.
1299	COUPLING PROFILE I 16,8mm	Extruded profile. Aluminium EN 573-1: EN AW-6060 T6 F22.
370	SET BLOCK 15x80	Teflon 10 mm thickness
371	SET BLOCK 15x80	Teflon 5 mm thickness
808	SET BLOCK Yellow 15 x 80	Wood 4 mm thickness
1502	STRAIGHT CONNECTOR 120 x 15,8	Steel, zinc coated 3 mm thickness
551	HAMMERNUT SLOT M6	Steel, zinc coated.
146	SET SCREW M6x12	Steel, zinc coated
572	SCREW BOLT M5x10	Inox
621	HAMMERNUT SLOT M5	Steel, zinc coated.
1294	GLAS CLAMP JB4	Inox 1 mm thickness
962	FOAM RUBBER STRIP 3 x 20mm	Polyethylene small sized cell foam, one-sided adhesive, density = 60kg/m3
428	SEALING PROFILE BEAD S	Extruded profile. TPE
Drawings: see next page		

JB4000-00-GW-2-a

Glazed partition, laminated glass 88.2, glasses framed in profile Alu



Horizontal view



Vertical view

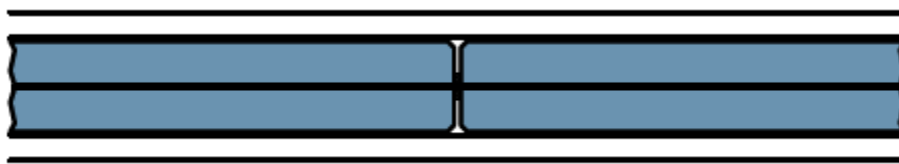
JB4000-00-GW-2-c

Glazed partition, laminated glass 1010.2, glasses framed in profile Alu

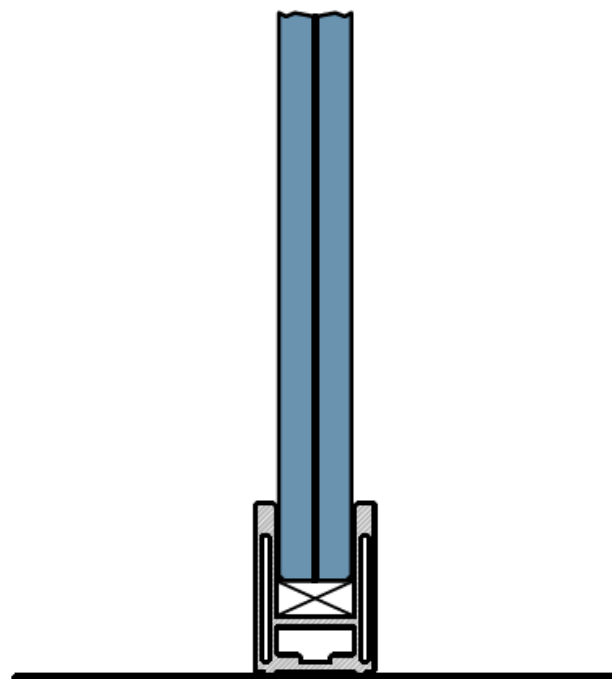
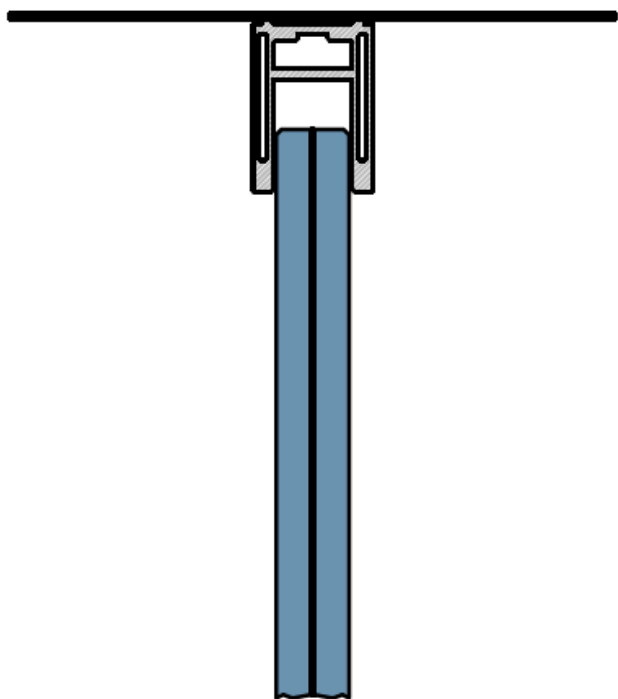
Drawing Nr	Component	Material characteristics
I00001	GLAS 1010.2	Laminated safety glass 1010.2 EN 14449. EN 12600: 1B1.
P00611	BASE PROFILE JB 4000	Extruded profile. Aluminium EN 573-1: EN AW-6060 T6 F22.
P00613	CLIPS PROFILE JB 4000	Extruded profile. Aluminium EN 573-1: EN AW-6060 T6 F22.
2681	COUPLING PROFILE H 20,8mm	Extruded profile. Aluminium EN 573-1: EN AW-6060 T6 F22.
370	SET BLOCK 15x80	Teflon 10 mm thickness
371	SET BLOCK 15x80	Teflon 5 mm thickness
808	SET BLOCK Yellow	Wood 4 mm thickness
1502	STRAIGHT CONNECTOR 120 x 15,8	Steel, zinc coated 3 mm thickness
551	HAMMERNUT SLOT M6	Steel, zinc coated.
146	SET SCREW M6x12	Steel, zinc coated
572	SCREW BOLT M5x10	Inox
621	HAMMERNUT SLOT M5	Steel, zinc coated.
1294	GLAS CLAMP JB4	Inox 1 mm thickness
962	FOAM RUBBER STRIP 3 x 20mm	Polyethylene small sized cell foam, one-sided adhesive, density = 60kg/m3
428	SEALING PROFILE BEAD S	Extruded profile. TPE
Drawings: see next page		

JB4000-00-GW-2-c

Glazed partition, laminated glass 1010.2, glasses framed in profile Alu



Horizontal view



Vertical view