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Designated according to Article 29 of Regulation (EU) No 305/2011

Member of
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European Technical Assessment

ETA 15/0481
of 2022-12-07

General Part

Technical Assessment Body issuing the European Technical Assessment: **Kiwa Nederland B.V.**	
Trade name of the construction product	ObiWand systeemwanden
Product family to which the construction product belongs	Internal partition kits for use as non-loadbearing walls
Manufacturer	Obimex bv Twentepoort West 39 7609 RD Almelo Postbus 804 7600 AV Almelo
Manufacturing plant(s)	Obimex bv Twentepoort West 39 7609 RD Almelo
This European Technical Assessment contains	25 pages including 8 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	EAD 210005-00-0505, edition March 2019
This version replaces	ETA 15/0481, version 01 issued on 01-02-2016

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Specific Parts

1. Technical description of the product

1.1. General

ObiWand partition kits for use as relocatable, non-loadbearing internal walls. The maximum height of the partitions is 3.000 mm.

This ETA concerns the following partition kits:

- OBI-100 STANDAARD
- OBI-200 STANDAARD PLUS
- OBI-300 DELUXE
- OBI-400 MONOBLOK
- OBI-600 VOLGLAZEN WAND

1.2. OBI-100 STANDAARD

OBI 100 STANDAARD is a non-loadbearing, relocatable partition with a total thickness of 100 mm. OBI 100 STANDAARD elements have a maximum width of 1200 mm with 1 fitting piece per element, based on flat and straight connections to walls, ceilings and floors.
The main frame consists of aluminium edge profiles at ceiling, floor (recessed profile) and wall profiles. The edge profiles have 2 foam tapes 2 x 6 mm attached.
Between the edge profiles, aluminium H-profiles, centre to centre 1200 mm 1.H.75.1.(A) are placed. The aluminium H-profiles are covered by a PVC covering trim.
Corners are made by means of rounded 90 or 135 degree connecting profiles, 'Y'-profiles and profiles for variable corners.
Standard colour of the ceiling profiles, recessed floor profiles and corner profiles is white or anodised. Other RAL colours are available on request.

The cavity can be filled with a mineral wool with a maximum thickness of 75 mm.

For OBI 100 STANDAARD partitions the following types of single panel are possible:

- 12,5 mm vinyl faced gypsum plasterboard;
- veneer or melamine faced fibreboard;
- veneer or melamine faced particleboard.

Aluminium window frames for glazing are available in every size requested. Three types of window frames are available: 31 mm and 17 mm square frames and 31 mm rounded frame.
Optionally, the glazing can be sandblasted. Glazing is available as single, 6 mm 33/1 or double glazing.
Aluminium window frames are also available as OBI-400 MONOBLOK.
Standard colour of the window frames is white or anodised. Other RAL colours are available on request.

Aluminium door frames are available in rebated or blunt versions, as where the blunt version also is available with a rounded profile next to the square profiles. Like the doors, the door frames are available in every size and suited for single or double doors, swinging doors, unframed glass doors and sliding doors.
Standard colour of the door frames is white or anodised. Other RAL colours are available on request.
Hinges are available in aluminium or stainless steel.

1.3. OBI-200 STANDAARD PLUS

OBI 200 STANDAARD PLUS is a non-loadbearing, relocatable partition, similar to the OBI-100 STADAARD. The OBI 200 differs from the OBI 100 in coverings of the aluminium H-profiles. OBI 200 STANDAARD PLUS have aluminium Omega profiles with a plastic inlay piping instead of PVC coverings.

1.4. OBI-300 DELUXE

OBI 300 DELUXE is a non-loadbearing, relocatable partition, similar to the OBI-100 STANDAARD. Instead of the aluminium H-profile as with the OBI 100, the OBI 300 DELUXE has steel C-profiles with steel omega profiles screwed on both sides. The steel omega profiles are covered with either a PVC or an aluminium covering trim.
The OBI 300 DELUXE has melamine faced particleboard panels including a magnetic strip.

1.5. OBI-400 MONOBLOK

OBI 400 MONOBLOK is a non-loadbearing, relocatable partition with a total thickness of 100 mm. The width of OBI 400 MONOBLOK element is variable with 1 fitting piece per partition, based on flat and straight connections to walls, ceilings and floors.
Between the H profiles, mono-blok elements with glazing are placed. Glazing of 6 mm (33/1) in a variety of types / structures are available.
The mono-blok elements can be stacked horizontally and vertically, fastened by means of steel Omega profiles with an aluminium covering trim. The standard colour of the aluminium covering trim is white. Other RAL colours are available on request.
Aluminium mono-blok door frames are available in two varieties: 31 mm rounded and 17 mm square frame. Both varieties are feasible in horizontal lining, with or without covering trim. Window frames with 31 mm rounded mono-blok elements has a 31 mm cavity. The 31 and 17 square mono-blok elements have a 75 mm cavity.
The OBI 400 mono-blok elements can be combined with the OBI 100, 200 or 300 partition elements.

1.6. OBI-600 VOLGLAZEN WAND

OBI 600 is a full-glass, non-loadbearing relocatable partition with a total thickness of 100 mm. The OBI 600 glass panels have a maximum width of 1200 mm. Depending of the type of glass panel, the height can go up to 2600 mm (8 mm, 44/2 safety glass), 3200 mm (10 mm, 55/2 safety glass) or 3500 mm (12 mm, 66/2 safety glass).
For improved sound insulation the OBI 600 Silence can be used which has acoustic safety glass.
The glass panels are vertically interconnected by means of tape. At the top and bottom the glass panels are locked in an aluminium profile with concealed mounted rubbers.
Standard colour of the aluminium profiles is anodised. Other RAL colours are available on request.
The OBI 600 can be fitted with full glass doors or wooden doors. A drop seal may be used to improve acoustic performance.

2. Specification of the intended use(s) in accordance with the applicable European Assessment Document (hereinafter EAD)

2.1. Intended use

The partition kits are intended to be used as relocatable non-loadbearing partitions in buildings with:

- a mean air temperature in the range from 5 °C to 35 °C with a minimum of 0 °C and a maximum of 50 °C;
- a mean daily air relative humidity (RH) in the range of 20 %RH to 75 %RH. Maximum air relative humidity may only exceed 85 %RH for short periods of time.

The ObiWand EI60 has fire separating capabilities. Depending on the construction, ObiWand non-loadbearing walls can have improved acoustic and thermal insulation.

2.2. Intended working life

The provisions made in this ETA are based on an assumed working life of 25 years, provided that:

- the indoor works are properly designed and built;
- (dis)assembly of the ObiWand partition is performed as per installation guide, under normal site conditions, by adequately trained installers;
- minor damages are repaired /damaged elements are replaced (for example damage caused by impact);
- used in environments as described in 2.1;
- the ObiWand partition and the indoor works are properly used and maintained.

The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are to be regarded as a means for choosing the right product in relation to the reasonable expected working life of the works.

All materials used for the ObiWand partitions are recyclable. See annex 1 for an overview of the main materials used for the ObiWand partitions.

2.3. Packaging, transport and storage of the kit

ObiWand partition kits shall be transported and stored be supporting flat plat surfaces, as packaged by Obimex bv, under conditions as mentioned in 2.1.

2.4. Assembly and installation of the kit

2.4.1. General

The partitions shall be installed in buildings where conditions as stated in clause will be met. Where relevant, the design of the partitions shall comply with national regulations.

Instructions, recommendations and conditions regarding the building structure and the installation process shall be effectively communicated to the users / installers. All information concerning installation shall be included with a kit or package of kits.

2.4.2. Installation

Installation and installation conditions shall be in accordance with the valid instructions of Obimex bv.

2.5. Use, maintenance and repair

ObiWand partitions shall be used in accordance with this ETA and maintained in accordance with the valid maintenance instructions provided by Obimex bv.

Obiwand partitions are relocatable and parts can be easily replaced. Damaged parts shall be replaced by new parts. Use of repaired/other materials than mentioned in this ETA is not allowed.

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

3.1. BWR 2 – Safety in case of fire

3.1.1. Reaction to fire

The reaction to fire of main components used in ObiWand partition kits are assessed according the following principles:

1. The kit component is tested according to the applicable harmonised standard. Classification is based on the DoP of the component.
2. The kit component is tested using test method(s) relevant for the corresponding reaction to fire class and classified according to EN 13501-1:2009.
3. The kit and/or component is considered to satisfy the requirements for the relevant performance class of the characteristic reaction to fire in accordance with the relevant EC Decision without the need of further testing on the basis of its conformity with the specification of the product detailed in that decision and its intended end use application covered by that decision.

The classifications of the components are given in Annex 1.

3.1.2. Resistance to fire

Resistance to fire is determined in accordance with EN 1364-1 and classified EI60 according to EN 13501-2 for the partition as described in table 3.1.2-1.

For (combinations of) partitions other than mentioned in table 3.1.2-1, Resistance to fire has not been assessed and classified NPA.

Table 3.1.2-1 - Resistance to fire

Partition: type ObiWand EI60 (OBI 300-based) Classification : EI60

- Dimension partition:
  - thickness : 100 mm
  - maximum height : 3000 mm
- Aluminium edge profiles at floor and ceiling with 2 intumescent tapes, 10 x 2,0 mm. The aluminium edge profiles are cut over the length in the middle. Both sides of the edge profiles are fixed with 5,0 x 45 mm nailing plugs with a centre to centre distance of max. 600 mm, starting 100-150 mm from the corner. The maximum side-to-side distance between the nailing plugs is 100 mm.
The inner size between the two profile-halves shall be the standard 100 mm having at least 1 mm distance in-between the two profile-halves.
Before mounting the metal U-profile, a 12,5 mm gypsum panel, type A is placed.
- Metal U profiles at floor and ceiling are fixed with 5,0 x 45 mm nailing plugs with a centre to centre distance of approximately 600 mm, starting max. 100 from the corner. The nailing plugs are alternately placed on both profile-halves going through the gypsum panel and edge profiles.
See Annex 2, details A and B.
- Aluminium vertical edge profiles at walls with 2 intumescent tapes, 10 x 2,0 mm. The aluminium edge profiles are cut over the length in the middle. Both sides of the edge profiles are fixed with 5,0 x 35 mm nailing plugs with a centre to centre distance of approximately 600 mm, starting 100-150 mm from the floor/ceiling. The maximum side-to-side distance between the nailing plugs is 100 mm.
The inner size between the two vertical profile-halves shall be the standard 100 mm having at least 1 mm distance in-between the two vertical profile-halves.
Before mounting the metal C-profile, a 12,5 mm gypsum panel, type A is placed. The metal C profiles are not fixed to the walls/U-profiles and have an expansion room of 15 mm.
See Annex 2, detail C.

- Panels at both sides of the partition:
  - 1st panel: 1200 wide, 12.5 mm gypsum plasterboard type A/AK, app. 9,9 kg/m². the gypsum plasterboards are fixed to the metal C-profiles with 3 x 35 mm gypsum plasterboard screws. The screws are placed with a centre to centre distance of 600 mm. Screws in connecting gypsum boards are placed in between the screws of the previous gypsum board (300 mm distance).
  - 2nd, visual panel: 1200 wide, 12,5 mm vinyl faced gypsum plasterboard, type A/RK, app. 9,9 kg/m². The vinyl faced gypsum plasterboard is fixed by means of metal omega profiles. The metal omega profiles are fixed to the metal C-profiles with 3,5 x 22 mm self-tapping screws at a centre to centre distance of 300 mm. The metal omega profiles are covered with aluminium covering trim.

  See Annex 2, detail D.
- Insulation: 40 mm rock wool, app. 40 kg/m³.

3.2. BWR 3 – Hygiene, health and environment

3.2.1. Content, emission and/or release of dangerous substances

Use categories of ObiWand systeemwanden:
- IA1: direct contact to indoor air.

Particle board :
- Formaldehyde class E1;
- pcp < 5 ppm.

Wall covering:
- Formaldehyde < 120 mg/kg;
- Vinyl Monomer: < 0.2 mg/kg;
- Heavy metals: passed.

Other materials:
Other products do not contain/release of dangerous substances and classified NPA.

In addition to the specific clauses relating to dangerous substances contained in this European Technical Assessment, there may be other requirements applicable to the intend use of the kit (e.g. transposed European legislation and national laws, regulations and administrative provisions). In order to meet the provisions of the EU Construction product Regulation These requirements need also to be complied with, when and where they apply.

3.2.2. Water vapour permeability

Water vapour permeability is not assessed and classified NPA.

3.3. BWR 4 – Safety in use

3.3.1. Sill height

Sill height is not assessed and classified NPA.

3.3.2. Resistance to structural damage and functional failure from horizontal loads

Resistance to structural damage and functional failure from horizontal loads is determined in accordance with TR 001 with the amendments and modifications ad described in Annex A and B of EAD 210005-00-0505.
The partitions tested and their results are shown in the table 3.3.2-1.

Table 3.3.2-1 –Resistance to structural damage and functional failure from horizontal loads

Partition	Use category		Area codes[2)]
	Structural damage (SB/HB) [1)]	Functional failure (SB/HB) [1)]	
Solid partition, height 2800 mm The tested solid partition represents partitions constructed in accordance with the OBI-100, OBI-200, OBI-300 and OBI-400 partition kits. See Annex 3 for details.	I (500 Nm/10 Nm)	I (120 Nm/2,5 Nm)	A, B
Solid partition, height 4100 mm with sill at 2800 mm The tested solid partition represents partitions constructed in accordance with the OBI-100, OBI-200, OBI-300 and OBI-400 partition kits. See Annex 4 for details.	IVb (500 Nm/10 Nm)	IV (120 Nm/2,5 Nm)	C5 + A, B, C1-C4, D1-D2 (where the partition has the function of a barrier)
Glazed partition, height 2800 mm The tested glazed partition represents partitions constructed in accordance with the OBI-100, OBI-200 and OBI-400 partition kits, glazed with 2x 6 mm glass. The covering trim used on the aluminium H-profiles shall be fixed at the top and the bottom of the profile with 3,5 x 16 mm Tec parkers. See Annex 5 for details.	IVb (500 Nm/10 Nm)	IV (120 Nm/2,5 Nm)	C5 + A, B, C1-C4, D1-D2 (where the partition has the function of a barrier)
Glazed partition, height 4100 mm with sill at 2800 mm The tested glazed partition represents partitions constructed in accordance with the OBI-100, OBI-200 and OBI-400 partition kits. The partition shall have 2x 6 mm glass. The covering trim used on the aluminium H-profiles shall be fixed at the top and the bottom of the profile with 3,5 x 16 mm Tec parkers. See Annex 6 for details.	IVb (500 Nm/10 Nm)	IV (120 Nm/2,5 Nm)	C5 + A, B, C1-C4, D1-D2 (where the partition has the function of a barrier)
Glazed/solid partition, height 4100 mm with sill at 2800 mm The tested partition represents partitions constructed in accordance with the OBI-100, OBI-200, OBI-300 and OBI-400 partition kits. The partition shall have 2x 6 mm glass below the sill and a solid construction above the sill. The covering trim used on the aluminium H-profiles shall be fixed at the top and the bottom of the profile with 3,5 x 16 mm Tec parkers. See Annex 5 and 6 for details.	IVb (500 Nm/10 Nm)	IV (120 Nm/2,5 Nm)	C5 + A, B, C1-C4, D1-D2 (where the partition has the function of a barrier)
OBI-600 Full Glass partition, height 3500 mm The tested full glass partition represents partitions constructed in accordance with the OBI-600 partition kits. See Annex 7 for details.	IVb (500 Nm/10 Nm)	IV (120 Nm/2,5 Nm)	C5 + A, B, C1-C4, D1-D2 (where the partition has the function of a barrier)

1) SB: Soft body impact, HB: hard body impact.

2) See table *3.3.2-2 – Definitions of area categories which explains the categories as defined in EN 1991-1-1 (Eurocode 1) table 6.1: Categories of building areas.*

Table 3.3.2-2 – Definitions of area categories

Category	Specific Use	Example
A	Areas for domestic and residential activities.	Rooms in residential buildings and houses; bedrooms and wards in hospitals; bedrooms in hotels and hostels kitchens and toilets.
B	Office areas.	
C	Areas where people may congregate (with the exception of areas defined under category A, B and D).	C1: Areas with tables, etc., e.g. areas in schools, cafés, restaurants, dining halls, reading rooms, receptions. C2: Areas with fixed seats, e.g. areas in churches, theatres or cinemas, conference rooms, lecture halls, assembly halls, waiting rooms, railway waiting rooms. C3: Areas without obstacles for moving people, e.g. areas in museums, exhibition rooms and access areas in public and administration buildings, hotels, and railway station forecourts. C4: Areas with possible physical activities, e.g. dance halls, gymnastic rooms, stages. C5: Areas susceptible to large crowds, e.g. in buildings for public events like concert halls, sports halls including stands, terraces and access areas and railway platforms.
D	Shopping areas.	D1: Areas in general retail shops D2: Areas in department stores

3.3.3. Resistance to structural damage and functional failure from eccentric vertical loads

Resistance to structural damage and functional failure from eccentric vertical loads is not assessed and classified NPA.

3.3.4. Resistance to horizontal linear static loads

Resistance to horizontal linear static loads is not assessed and classified NPA.

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

Resistance to structural damage and functional failure from eccentric vertical loads is not assessed and classified NPA.

3.3.6. Rigidity of partitions to be used as a substrate for tiling

Rigidity of partitions to be used as a substrate for tiling is not assessed and classified NPA.

3.3.7. Safety against personal injuries by contact

The Obimex partition kits do not contain any sharp and cutting edges and have panels with a smooth surface texture. When properly installed, there is no risk of abrasion or cutting people or people's clothing by the nature of the surfaces.

3.3.8. Resistance to deterioration

3.3.8.1. Physical agents

The resistance to physical agents is acceptable where conditions to both sides of the partition, including door sets, occur at the same time.
Partitions consisting of only single or double glazing also have an acceptable resistance to physical agents where different conditions to both sides of the partition occur at the same time.

For all other conditions including effects of localised heating, no performance is determined.

3.3.8.2. Chemical agents

Resistance deterioration against well-known domestic cleaning agents is acceptable. Aggressive products, other than the well-known cleaning products (e.g. solvents, organic dissolvent and acids) are not allowed.

3.3.8.3. Biological agents

Deterioration by biological agents is acceptable for the intended uses as described in clause 2.1.

3.4. BWR 5 – Protection against noise

3.4.1. Airborne sound insulation

Airborne sound insulation is determined in accordance with EN/ISO 140-3 and rated in accordance with ISO 717 for the partitions described in tables 3.4.1-1 and 3.4.1-2.

For (combinations of) partitions other than mentioned in tables 3.4.1-1 and 3.4.1-2, Airborne sound insulation has not been assessed and classified NPA.

Table 3.4.1-1 – Airborne sound insulation solid partitions, type OBI 100-400

Partition (1)	R_w (C;C_{tr})
OBI-100 / OBI-200 / OBI-400 type glazed partition, height 2800 mm, with 2x 33/1 (6 mm) glass. Both sills (upper and lower) are filled with 16,6 kg/m³ mineral wool. See Annex 5 for details.	36 (-1;-4) dB
OBI-100 / OBI-200 / OBI-400 type glazed/solid partition, height 2800 mm with a middle sill at 1854 mm. - Glazed part below the middle sill: with 2x 33/1 mm glass. - Solid part above the middle sill: 12,5 mm vinyl faced particleboard, 75 mm cavity with 60 mm 16,6 kg/m³ mineral wool and 12,5 mm gypsum plasterboard. See Annex 4 and 6 for details.	36 (-1;-2) dB
OBI-100 / OBI-200 / OBI-300 / OBI-400 type solid partition, height 2800 mm, with 12,5 mm vinyl faced particleboard, 75 mm cavity with 60 mm 16,6 kg/m³ mineral wool and 12,5 mm gypsum plasterboard. See Annex 3 for details.	40 (-3;-6) dB
OBI-100 / OBI-200 / OBI-300 / OBI-400 type solid partition, height 2800 mm, with 12,5 mm vinyl faced particleboard, 75 mm cavity with 60 mm 16,6 kg/m³ mineral wool and 12,5 mm gypsum plasterboard. The partition has a door frame with single seals and a single, solid blunt door with a dimension of 930 x 2315 mm. The unsealed seam under the door is 14 mm. See Annex 8 for details.	24 (-0;-0) dB

(1) Results are applicable to all types of available covering trim: aluminium, PVC, aluminium Omega profiles with a plastic inlay piping.

Table 3.4.1-1 – Airborne sound insulation solid partitions, type OBI 100-400, continued

Partition [(1)]	R_w ($C;C_{tr}$)
OBI-100 / OBI-200 / OBI-300 / OBI-400 type solid partition, height 2800 mm, with 12,5 mm vinyl faced particleboard, 75 mm cavity with 60 mm 16,6 kg/m³ mineral wool and 12,5 mm gypsum plasterboard. The partition has a door frame with single seals and a single, solid blunt door with a dimension of 930 x 2315 mm. The seam under the door is 14 mm is sealed with a dropseal. See Annex 8 for details.	36 (-1;-4) dB
OBI-100 / OBI-200 / OBI-300 / OBI-400 type solid partition, height 2800 mm, with 12,5 mm vinyl faced gypsum plasterboard, 75 mm cavity with 60 mm 35 kg/m³ stone wool and 12,5 mm vinyl faced gypsum plasterboard.	40 (-2;-7) dB
OBI-100 / OBI-200 / OBI-300 / OBI-400 type solid partition, height 2800 mm, with 12,5 mm vinyl faced gypsum plasterboard, 75 mm cavity with 60 mm 15 kg/m³ mineral wool and 12,5 mm vinyl faced gypsum plasterboard.	41 (-3;-7) dB
OBI-100 / OBI-200 / OBI-300 / OBI-400 type solid partition, height 2800 mm, with 12,5 mm vinyl faced gypsum plasterboard, 75 mm cavity with 60 mm 15 kg/m³ mineral wool and 12,5 mm vinyl faced gypsum plasterboard. The partition has a 1120 x 1120 mm, double glazed window which features 33/1 safety glass, 85 mm air-filled cavity and 33/1 safety glass.	41 (-3;-7) dB
OBI-100 / OBI-200 / OBI-300 / OBI-400 type solid partition, height 2800 mm, with 12,5 mm vinyl faced gypsum plasterboard, 75 mm cavity with 60 mm 15 kg/m³ mineral wool and 12,5 mm vinyl faced gypsum plasterboard. The partition has a 1120 x 1120 mm single glazed window which features 33/1 safety glass.	38 (-2;-4) dB

(1) Results are applicable to all types of available covering trim: aluminium, PVC, aluminium Omega profiles with a plastic inlay piping.

Table 3.4.1-2 – Airborne sound insulation solid partitions, type OBI 600

Partition	R_w ($C;C_{tr}$)
OBI-600 composed of safety glass panels, type Stadip 44/2.	31 (-1;-2) dB
OBI-600 composed of safety glass panels, type Stadip Silence 44/2. The aluminium profiles are filled with PE-round foam.	32 (-1;-2) dB
OBI-600 composed of safety glass panels, type Stadip 55/2.	32 (-1;-3) dB
OBI-600 composed of safety glass panels, type Stadip Silence 55/2 The aluminium profiles are filled with PE-round foam.	35 (-1;-3) dB
OBI-600 composed of safety glass panels, type Stadip 55/2, including doorframe type OBI600 and 10 mm tempered glass door, size 925 x 2315 mm. The glass door is equipped with a dropseal, adjusted with maximum compression.	31 (-1;-2) dB
OBI-600 composed of safety glass panels, type 66/2.	35 (-1;-2) dB
OBI-600 composed of safety glass panels, type 66/2 silence. The aluminium profiles are filled with PE-round foam Ø 15/20 mm.	37 (-1;-3) dB

Table 3.4.1-2 – Airborne sound insulation solid partitions, type OBI 600, continued

Partition	R_w ($C;C_{tr}$)
OBI-600 composed of safety glass panels, type 66/2, including doorframe type OBI 600 and 10 mm tempered glass door, size 921 x 2315 mm. The doorframe is equipped with single seal and the glass door with a dropseal, adjusted with maximum compression.	31 (-1;-2) dB
OBI-600 composed of safety glass panels, type 66/2, including doorframe type OBI 600 and a frame door, size 921 x 2315 mm. The frame door is glazed with 8 mm (44/1) mm silence glass. The doorframe is equipped with single seal and the glass door with a dropseal, adjusted with maximum compression.	34 (-1;-2) dB
OBI-600 composed of safety glass panels, type 66/2 silence, including doorframe type OBI 600 and a frame door, size 921 x 2315 mm. The frame door is glazed with 8 mm (44/1) mm silence glass. The doorframe is equipped with single seal and the glass door with a dropseal, adjusted with maximum compression. The aluminium profiles are filled with PE-round foam Ø 15/20 mm.	35 (0;-2) dB

3.4.2. Sound absorption

The sound absorption is not assessed and classified NPA.

3.5. BWR 6 – Energy economy and heat retention

3.5.1. Thermal resistance

Thermal resistance is not assessed and classified NPA.

3.5.2. Thermal inertia

Thermal inertia is not assessed and classified NPA.

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

According to the European Commission Decision 98/213/EC of 9 March 1998, assessment and verification of constancy of performance (see Annex V to Regulation (EU) No 305/2011) system 3 applies.

4.1. Tasks for the manufacturer

4.1.1. Factory production control

The manufacturer shall exercise permanent internal control of production. All the elements, requirements and provisions adopted by the manufacturer shall be documented in a systematic manner in the form of written policies and procedures, including records of results performed. This production control system shall insure that the product is in conformity with this European Technical Approval.
Within the framework of FPC the manufacturer shall carry out tests and controls with the prescribed test plan as deposited at Kiwa Nederland B.V., which is part of this European Technical Approval.

The results of the FPC shall be recorded and shall be kept for a period of at least 10 years.
The results of the FPC are evaluated and shall include at least the following information:
- designation of products and the constituents (raw materials);
- method of control or testing (according to control plan);
- date of manufacture of the products and date of testing of the products and the constituents;
- result of control and testing and comparison with requirements and declarations;
- result of treatment of products which do not meet declarations.

On request the results shall be presented to Kiwa Nederland B.V.

The control plan shall contain in detail the extent, nature and frequency of testing and controls to be performed and shall address at least the following items/characteristics and (minimum) frequencies as detailed in table 4.1.1-1.

Table 4.1.1-1 - Control plan for the manufacturer; cornerstones

No		Subject/type of control	Test or control method	Criteria	Minimum frequency of control
1		Identification of kit components:		According to	Each delivery
	a	geometry	visual	control plan	
	b	dimensions	measuring		
	c	density (when appl.)	weighing		
	d	corrosion protection (when appl.)	visual		
	e	material specification	visual		
2		Reaction to fire of components	Check CE/DoP	Acc. ETA	Each delivery
3		Checks on production drawings of kit	Visual	According to control plan	Each order
4		Manufactured components	Visual	According to control plan	Each batch

4.1.2. Declaration of performance

The manufacturer shall draw up a Declaration of Performance stating that Obimex systeemwanden are in conformity with the provisions of this European Technical Approval.

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

5.1. Manufacture of the kit

All materials of the partition kits shall be in accordance with the provisions laid down in this ETA. All materials used in the partitions shall fulfil the criteria in this ETA.
Changes to the product/production process, which could result in this deposited data / information being incorrect, should be notified to the approval body before the changes are introduced. The approval body will decide whether or not such changes affect the ETA and consequently the validity of the CE marking on the basis of the ETA and so whether further assessment / alterations to the ETA, is necessary.

Issued in Rijswijk on 07-12-2022 by

Ron Scheepers
Kiwa Nederland B.V.

Annex 1

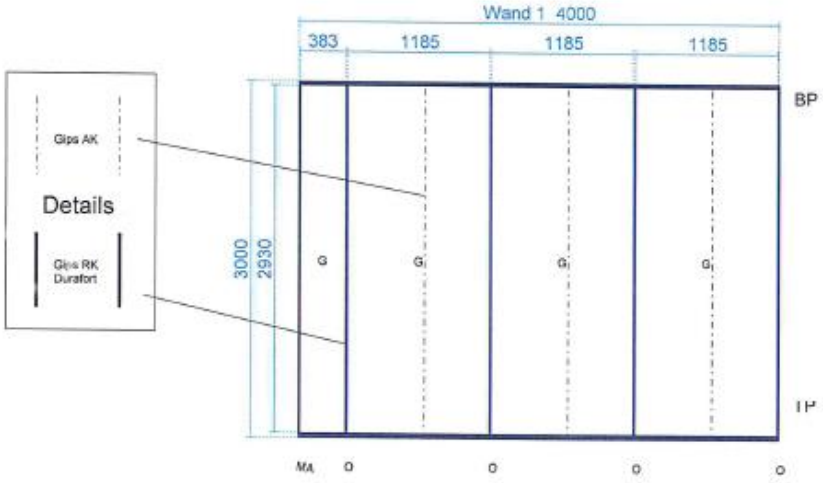
Main components OBI partition kits

Component	Reaction to fire	Standard / Commission decision
Steel frame components	A1	96/603/EC[1)]
Aluminium frame components	A1	96/603/EC[1)]
PVC covering profiles	-	-
Insulation	A1	96/603/EC[1)]
Gypsum board	A2-s1, d0 (B)	2003/43/EC[2)]
Particle board	F	EN 13986:2004
Wallcovering	B-s2, d0	EN 15102:2007
Glass	A1	96/603/EC[1)]
Doors	-	-
Glass doors	A1	96/603/EC[1)]

[1)] Amended by Commission Decisions 2000/605/EC and 2003/424/EC
[2)] Amended by Commission Decisions 2003/593/EC, 2006/673/EC and 2007/348/EC

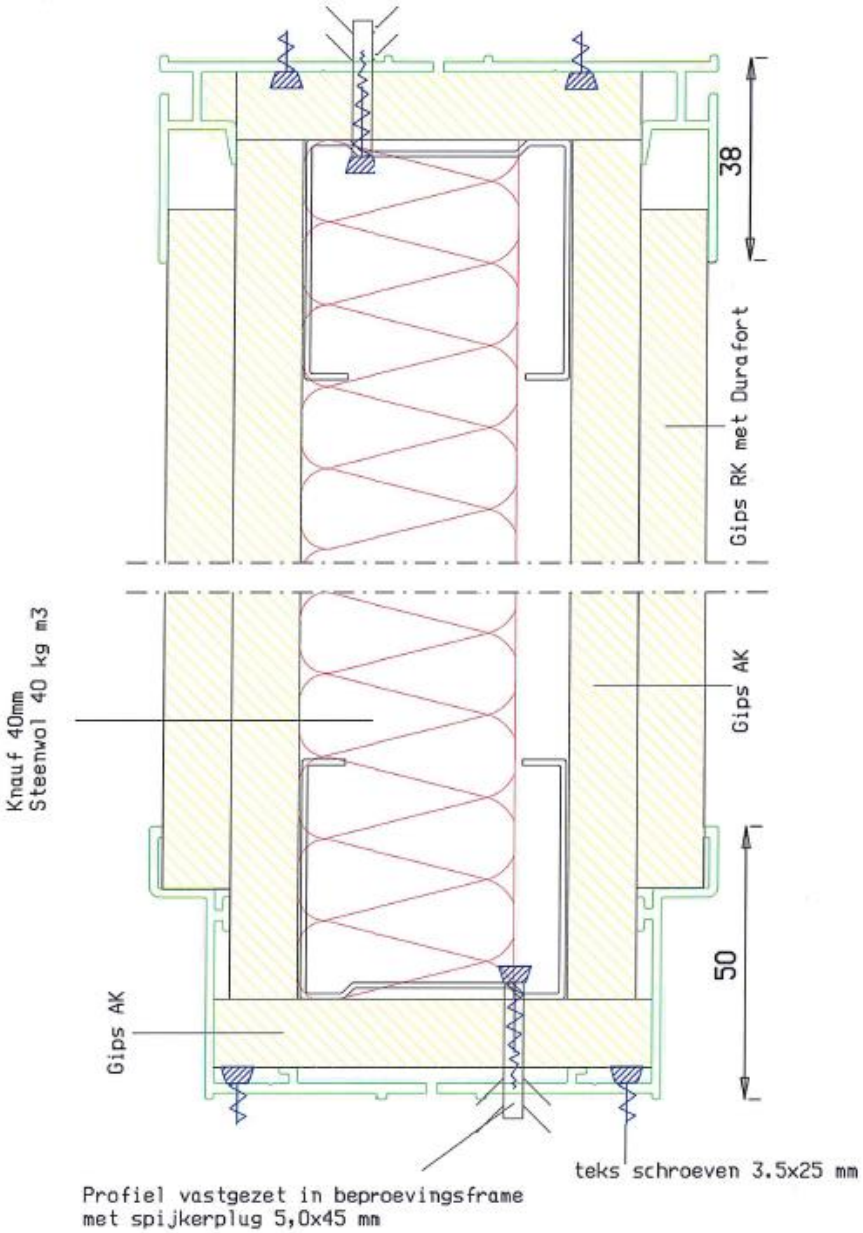
Annex 2, Details fire resistant partition, Obi-Wand EI60

2.1 Front view partition

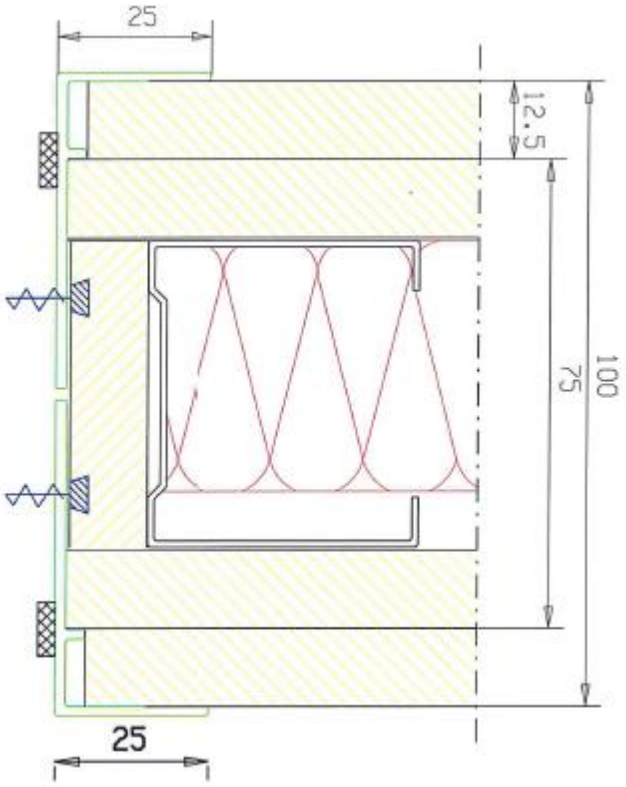


Wand 1

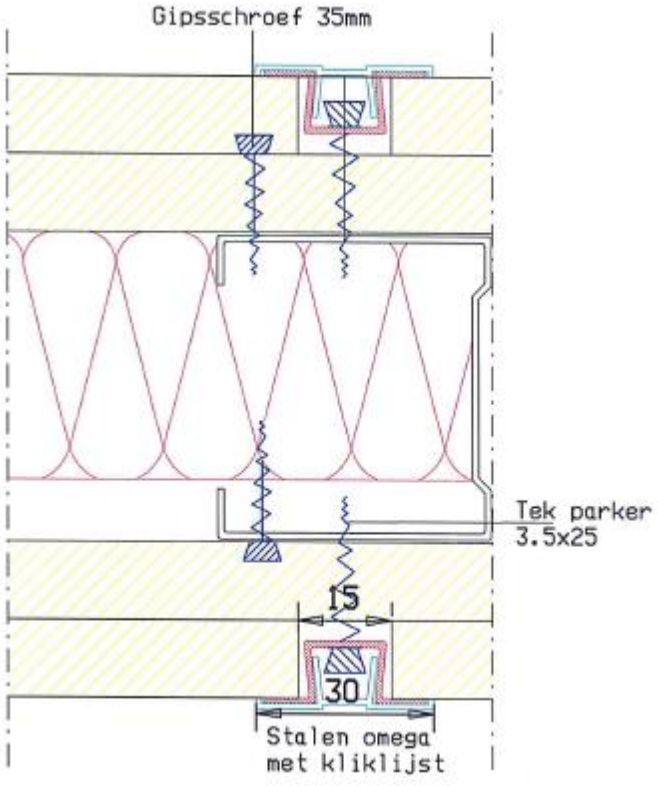
2.2 Details A: ceiling connection and B: floor connection



2.3 Detail C: Steel omega profiles with aluminium covering profile

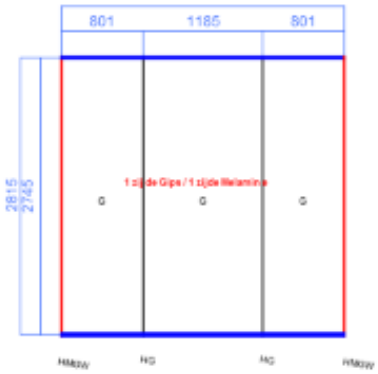


2.4 Detail D: Steel omega profiles with aluminium covering profile



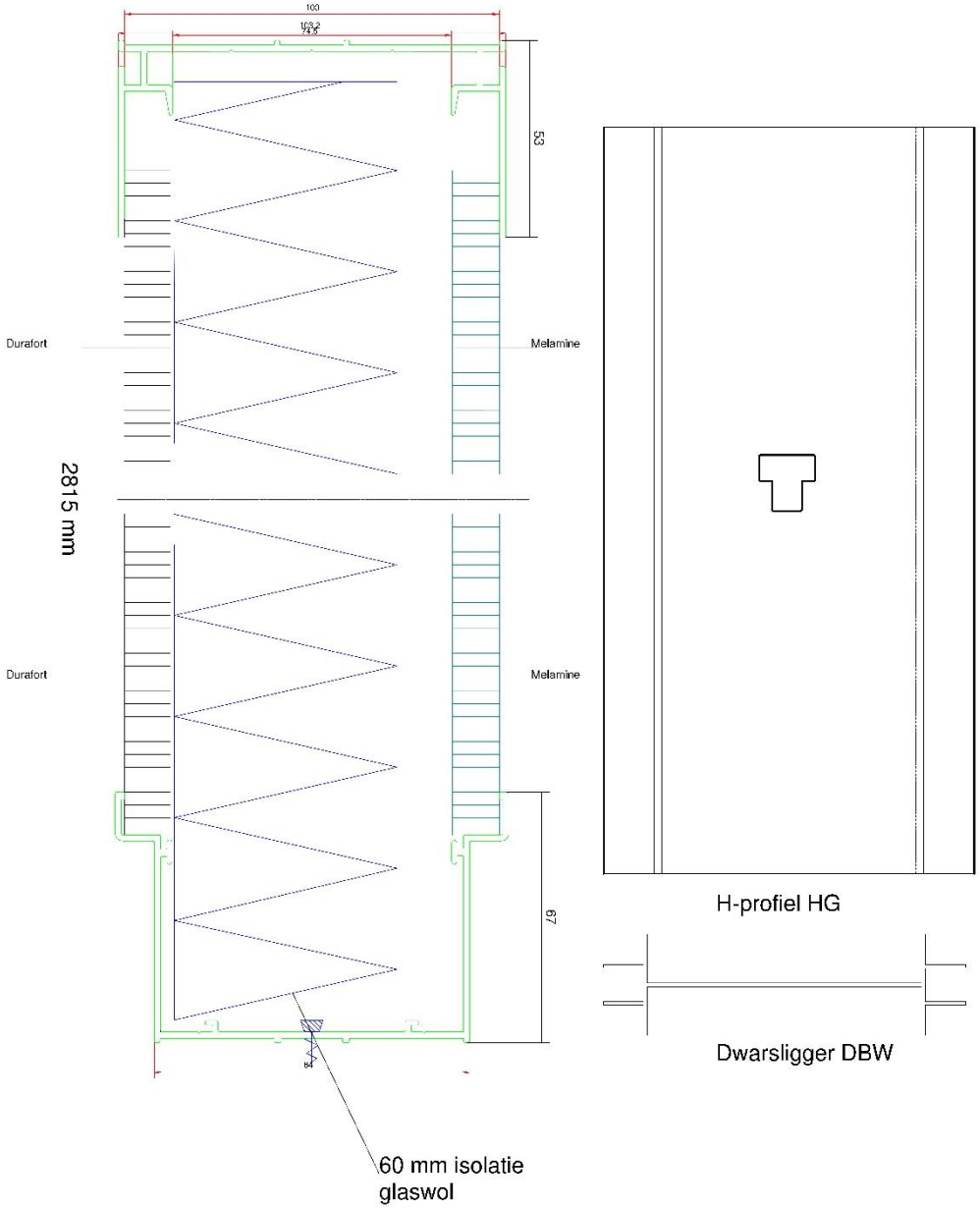
Annex 3, Solid partition 2800 mm

3.1 Principle front view



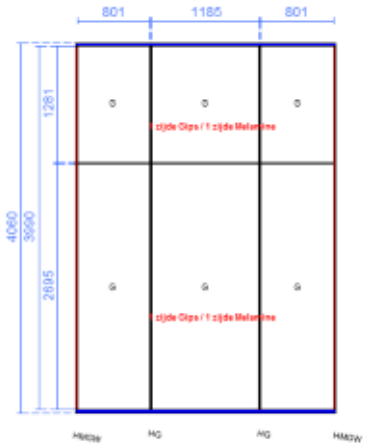
3.2 Vertical cross section

Storey-high partition with melamine and plaster / durafort with H-profile and raised bottom and top sill.



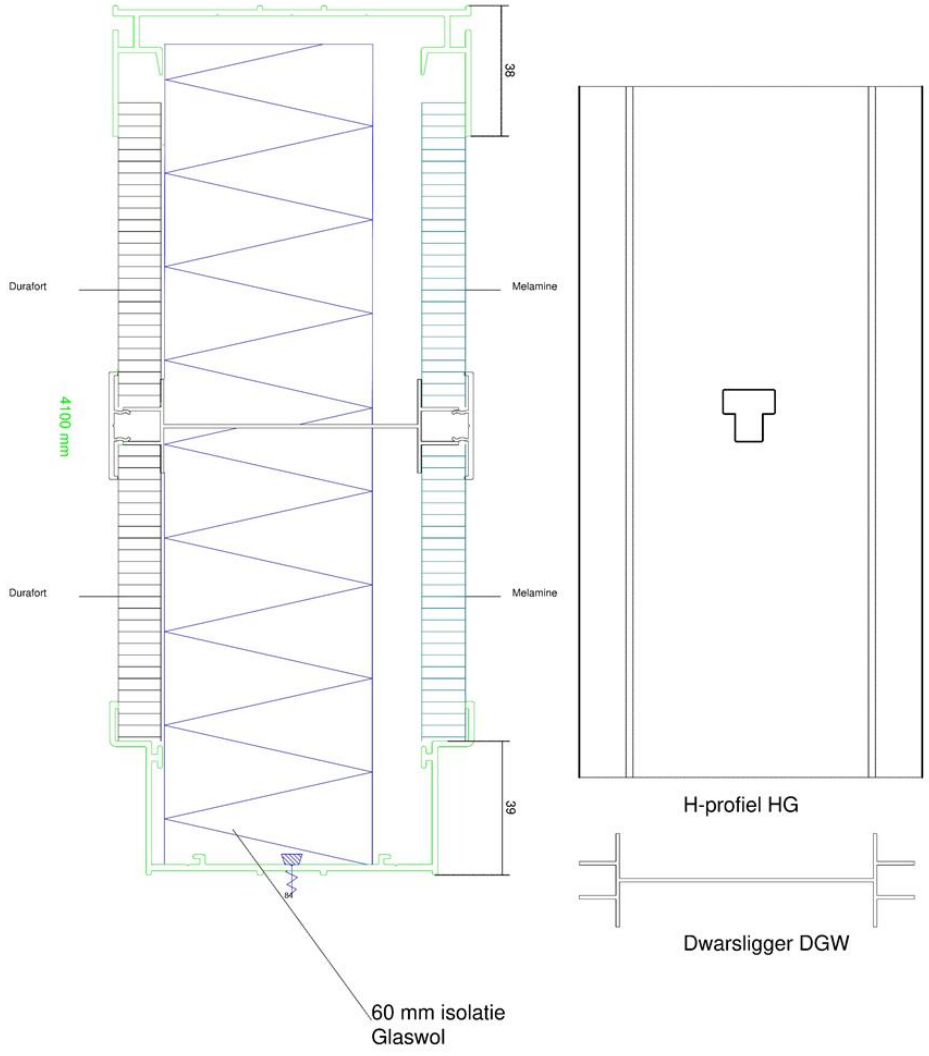
Annex 4, Solid partition 4100 mm

4.1 Principle front view



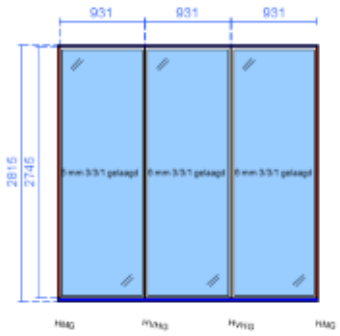
4.2 Vertical cross section

Storey-high partition with melamine and plaster / durafort with H-profile and standard bottom and top sill.



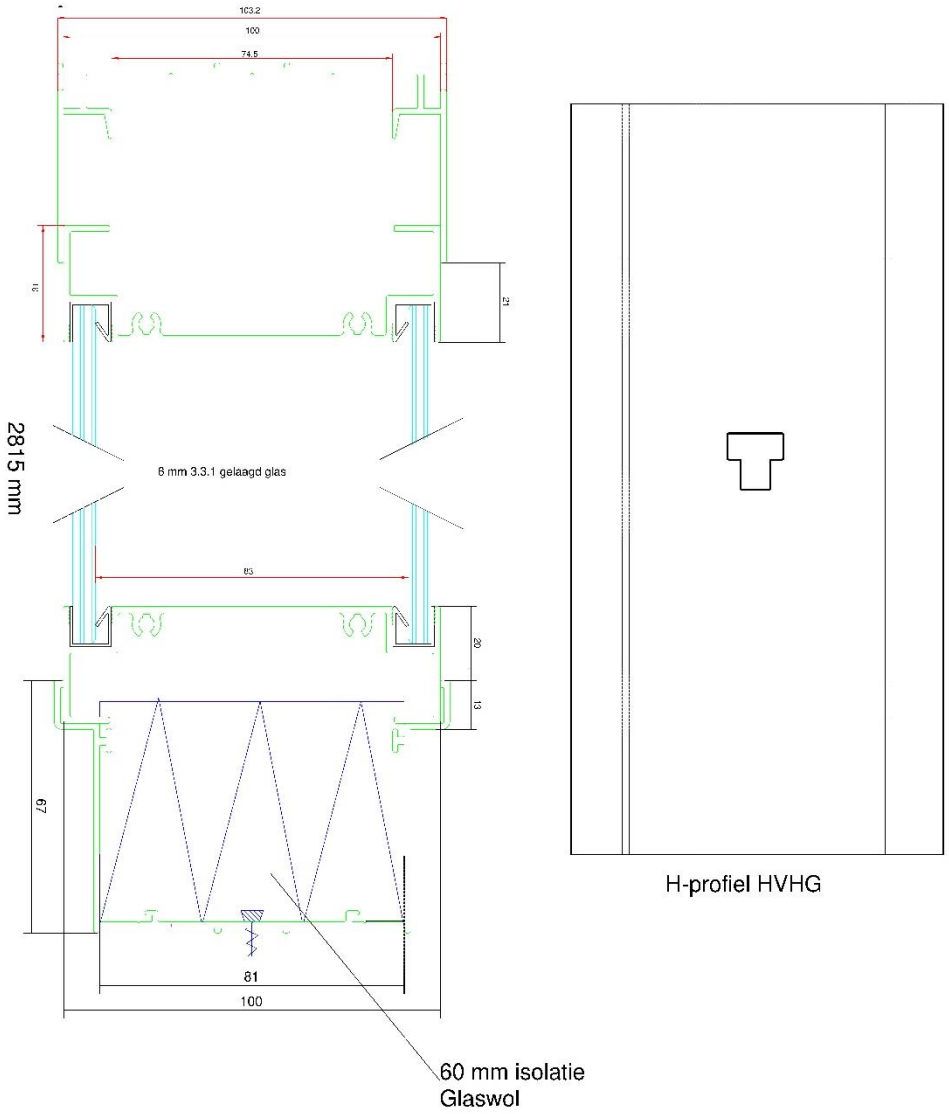
Annex 5, Glazed partition 2800 mm

5.1 Principle front view



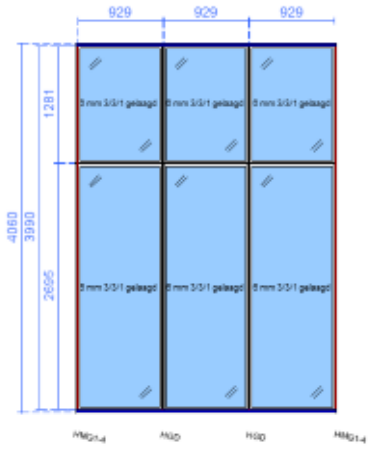
5.2 Vertical cross section

Storey-high glazed partition consisting of 31 mm glazing frame with double glazing H-profile raised bottom and top sill.



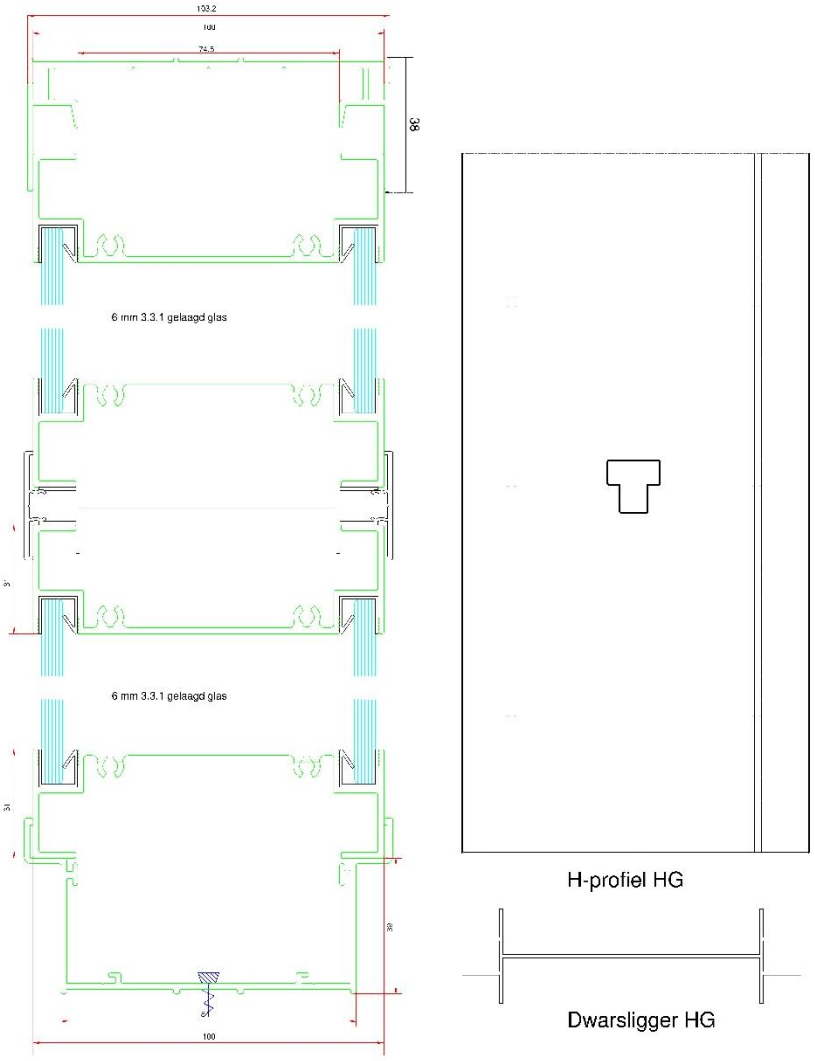
Annex 6, Glazed partition 4100 mm

6.1 Principle front view



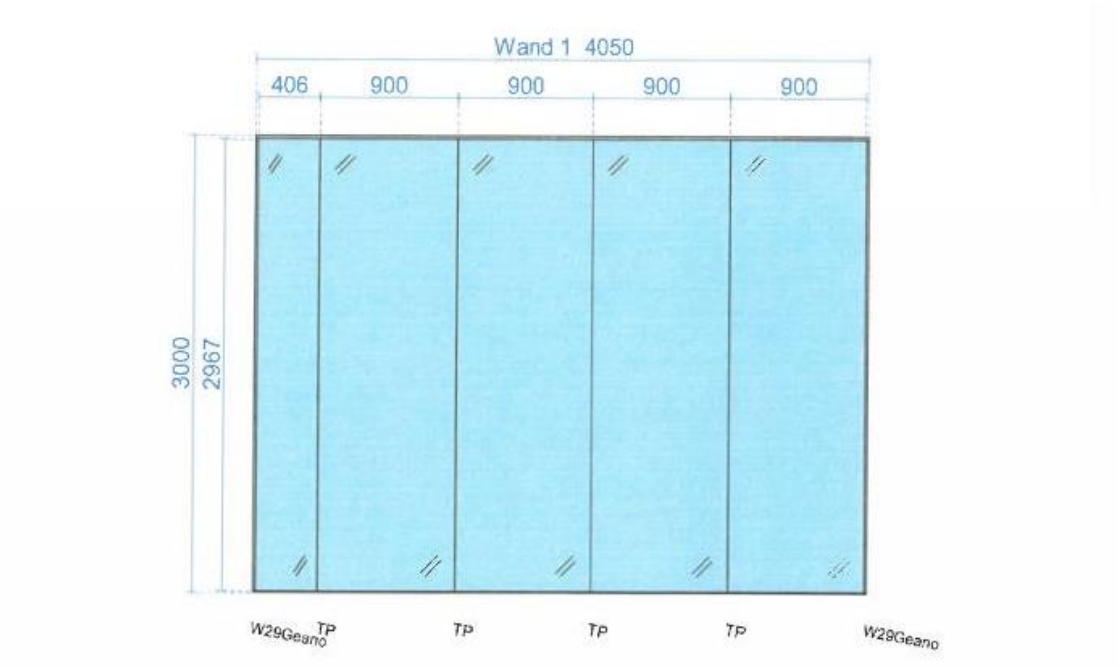
6.2 Vertical cross section

Storey-high glazed partition consisting of 2x 31 mm glazing frame with double glazing / H-profile and standard bottom and top sill.

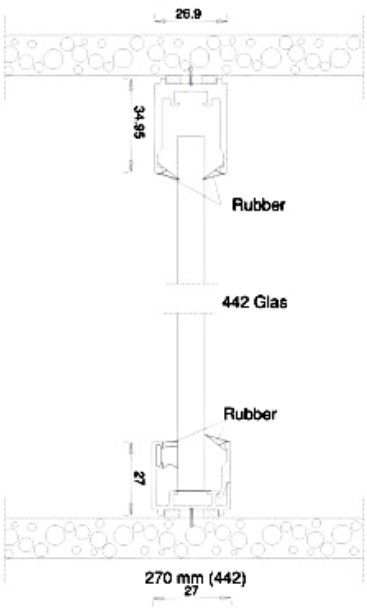


Annex 7, OBI-600 partition 3000 mm

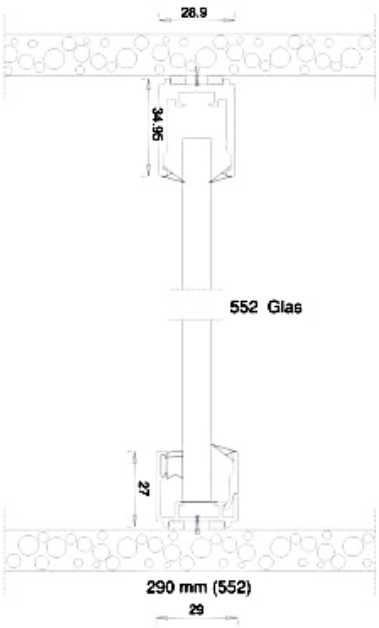
7.1 Principle front view partition



7.2 Details ceiling connection and floor connection

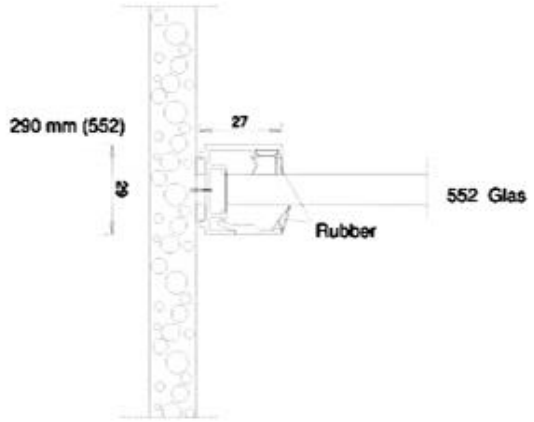


Detail 8 mm glass



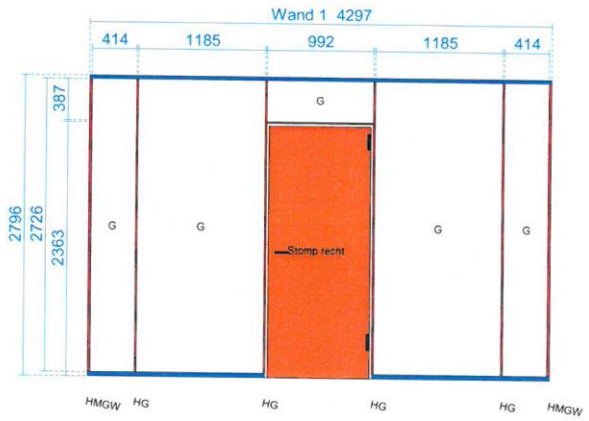
Detail 10 mm glass

7.3 Detail wall connection 10 mm glass

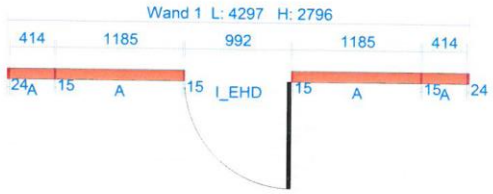


Annex 8, Solid partition 2800 mm with door

8.1 Principle front view partition



Wand 1



8.2 Vertical cross section