

1) The existing ceiling construction must be adequately reinforced for the installation of partition systems. The installation of partitions to a suspended ceiling is allowed only if a suitable and reinforced ceiling substructure is load absorbing, rigid and firmly positioned. The customer provides and ensures this reinforcement, which must be completed before the start of partition installation. A structural engineer, provided by the customer, shall do the possible structure assessment. The ceiling construction on site must support and carry the following horizontal loads:

- Category I+II according to ETAG 003 (living and office areas) 1.5 kN/m
- Category III according to ETAG 003 (assembly and shopping areas) 2.5 kN/m
- Precondition for determination of the above-mentioned horizontal loads:
  - Partition in the length of  $\geq 2000\text{mm}$
  - Partition in the height of  $\geq 2500\text{mm}$

2) The existing floor construction must be adequately reinforced for the installation of partition systems. Point loads and linear distributed loads of partition systems affect the on-site floor construction. The installation of partitions is allowed only on those floors which can support and carry the below mentioned loads as permanent ones.

Linear distributed loads (calculation base is ceiling height of 3000mm)

10 mm toughened safety glass	single 760 N/m
12 mm laminated safety glass	single 900 N/m
16 mm laminated safety glass	single 1200 N/m
10 mm toughened safety glass	double 1500 N/m
12 mm laminated safety glass	double 1800 N/m
16 mm laminated safety glass	double 2400 N/m

Point load of doorframe having ceiling-high glass door leaf (bearing surface of base plate app. 5 cm<sup>2</sup>)

Axial dimension 1000mm, ceiling height 2900mm

10 mm toughened safety glass	200 N/cm <sup>2</sup>
12 mm laminated safety glass	230 N/cm <sup>2</sup>
16 mm laminated safety glass	290 N/cm <sup>2</sup>

The above-specified loads are exemplary values, which depend on geometry of contractual elements, as well as on partitioning type. WARNING: The floor and ceiling construction must be dimensionally stable and reinforced.

3) The following construction tolerances can be compensated by specific Bene partitions

- Bene Partition RG

Tolerance range to the floor	+/-15 mm
Tolerance range to the ceiling	+/-15 mm
Tolerance range for wall connection	+/-15 mm
Tolerance range for frameless hinged door to the floor	+4/-2 mm
Tolerance range for frameless hinged door room height to the ceiling	+/-2 mm
Tolerance range for glass hinged door without compensation profile to the floor	+4/-2 mm
Tolerance range for glass hinged door with compensation profile to the floor	+/-15 mm
Tolerance range for solid core hinged door with frame to the floor	+/-15 mm
Tolerance range for hinge door with frame room height to the ceiling	+10/-5 mm
Tolerance range for sliding door to the floor	+/-6.5 mm

- Bene Partition R-Platform

Tolerance range to the floor	+/-25 mm
Tolerance range to the ceiling	+/-25 mm
Tolerance range for wall connection	+/-25 mm
Tolerance range for façade connection	+/-15 mm
Tolerance range for hinged door to the floor	+/-25 mm

4) Information on existing built-in components shall be disclosed before acceptance of order. The drilling depth for the installation of floor and ceiling profiles is up to 70mm, depending on the ordered product. The fixing points are usually at a distance of 30 to 60 cm and additionally at doorframes and junctions. Therefore, the information on the existing built-in components in walls, ceilings or floors (e.g. constructional cooling system, floor heating, etc.), as well as their position should be disclosed before the acceptance of order. All other fixings except drilling, plugging and screwing, will be an issue of a supplementary invoice.

5) The usage of guardrail is mandatory. No possible safety barriers (e.g. safety fences, covering of a floor opening) are a part of contractual performance of Bene, but they are to be organized by customer. It is only permitted to use the Bene dividing wall system as fall protection if it has been approved by a structural engineering firm and accompanied by a structural analysis report. The report is only valid for the respective customer according to the specific structural conditions. No assembly without a valid report.

6) Bene grants no warranty for sound insulation from one room to another. The stated sound insulation values are determined in a test plant in accordance with (ÖNORM, DIN) EN ISO140-3 standard and indicate the sound insulation characteristics of tested Bene Partitions. The sound insulation from one room to another depends on sound insulation of installed Bene partitions, as well as on sound insulation of flanking construction elements. Those flanking construction elements (e.g. ceiling bulkhead, etc.), unsealed connections, and their installations (ventilation, water and electrical installations), which do not satisfy the required sound insulation, decrease the sound insulation from one room to another considerably. Therefore, Bene Inc. points out that no warranty is granted for sound insulation from one room to another in a built-in situation.

7) We would like to point out, that there are various regulations which require that transparent surfaces should be marked in a way to be clearly perceived. This marking is not a part of contractual performance of Bene.

#### 8) Site conditions

- Dust-free environment

During the installation of partitions, no dust evolving works should occur on the site.

- Temperature and humidity

The room temperature between 16°C and 30°C, as well as the relative humidity of not more than 65% is required for bonding on-site.

- Usage of sparking tools

Any operations and works using tools that may produce sparks should not be done after the glass panel has been brought in.

- In-house transportation of large glass panels

The maximal size of glass panels is limited to 2,8m<sup>2</sup> or 100kg. The glass panels, which size exceed one of these criteria, require special in-house transportation technique (lifting platform, glass robot), and this will be evaluated and clarified to each case separately.

## 9) General information on Bene partitioning systems

### - Cleaning instructions

A careful and appropriate cleaning of furniture and partition surfaces is very important to keep them in an optimal condition as long as possible. You can download the detailed cleaning instructions for Bene furniture and partitions from our website: <http://www.bene.com>. We want to underline that Bene does not undertake any liability for damage of surfaces caused by improper cleaning and / or handling.

### - Contamination of the space between the glass in double-glazed wall systems

Due to movements of the building, in isolated cases the glass bonding or seals may open slightly or shift. This can go completely unnoticed or not be visible because the size of the gap can be very small. However, it is possible for tiny insects or dust particles to penetrate these gaps and remain visible in the space between the glass panes. This does not constitute a warranty claim or a reason for complaint. On customer request, these impurities can be removed and the spaces between the partitions cleaned. Furthermore, the double glazing is not insulating glazing. In addition to the previous points in paragraph 9, if the indoor climate (air conditioning) or the influence of structural conditions (entrance area, airlock area between outside and inside) causes changes in the humidity or dew point, resulting in streaks, condensation, lubrication film in the area between the glass, this does not constitute a warranty case or reason for complaint. There will be a charge for this service.

### - Inspection and maintenance instructions for doors

In order to ensure your long term satisfaction with our products, it is necessary to consider the inspection and maintenance instructions for Bene doors. You can download these from our website: <http://www.bene.com>. We point out that no liability or warranty will be granted the damages caused by missing and/or improper care and maintenance.

### - Inspection and approval terms for glazed structural elements

The assessment of visible glass quality has to comply with the following guidelines of the Federal Glazing Trade Association, Hadamar:

- Guideline for assessment of visible quality of glass in civil engineering
- Guideline for assessment of visible quality of enameled and screen printed glass only available in German (DE: Richtlinie zur Beurteilung der visuellen Qualität von emaillierten undsiebbedruckten Gläsern)

### - Duty of notification regarding TSG and TSG-H

A spontaneous glass breakage at tempered safety glass (TSG) may occur due to unavoidable impurity inclusion during production process. A delayed destruction of TSG without apparent external influence will be considered as spontaneous glass breakage. The risk of spontaneous glass breakage can be reduced by a fee based heat soak test in accordance with EN14179 standard. However, this process does not completely exclude the risk. Glasses tested in this way are called heat soaked tempered safety glass (TSG-H). Further, qualified personnel should regularly check frameless glass constructions in order to detect possible damages, which can cause a glass breakage, timely. Impurity inclusions and related spontaneous glass breakage are physically unavoidable and therefore Bene will not accept claim of warranty.

### - Labelling of tempered safety glass (TSG)

In accordance with the EN 12150 standard TSG glass manufacturer are obliged to label all produced panels. In order to meet esthetical requirements, Bene use TSG labelled on the edge. If a TSG label should be applied on the surface, against expectations, this shall not be a cause for complaint.

### - Requirements to the indoor climate

Panels with a fabric, melamine or veneer surface require a relative humidity between 30% to 65%. See point 9 for indoor climate requirements for double glazing. Material damage due to deviating humidity (after delivery) is the responsibility of the client.

We point out that installation cannot be properly realized, if the above mentioned requirements are not fulfilled or are disregarded. The client will undertake all possible cost arising due to site conditions, which do not correspond to this agreement.