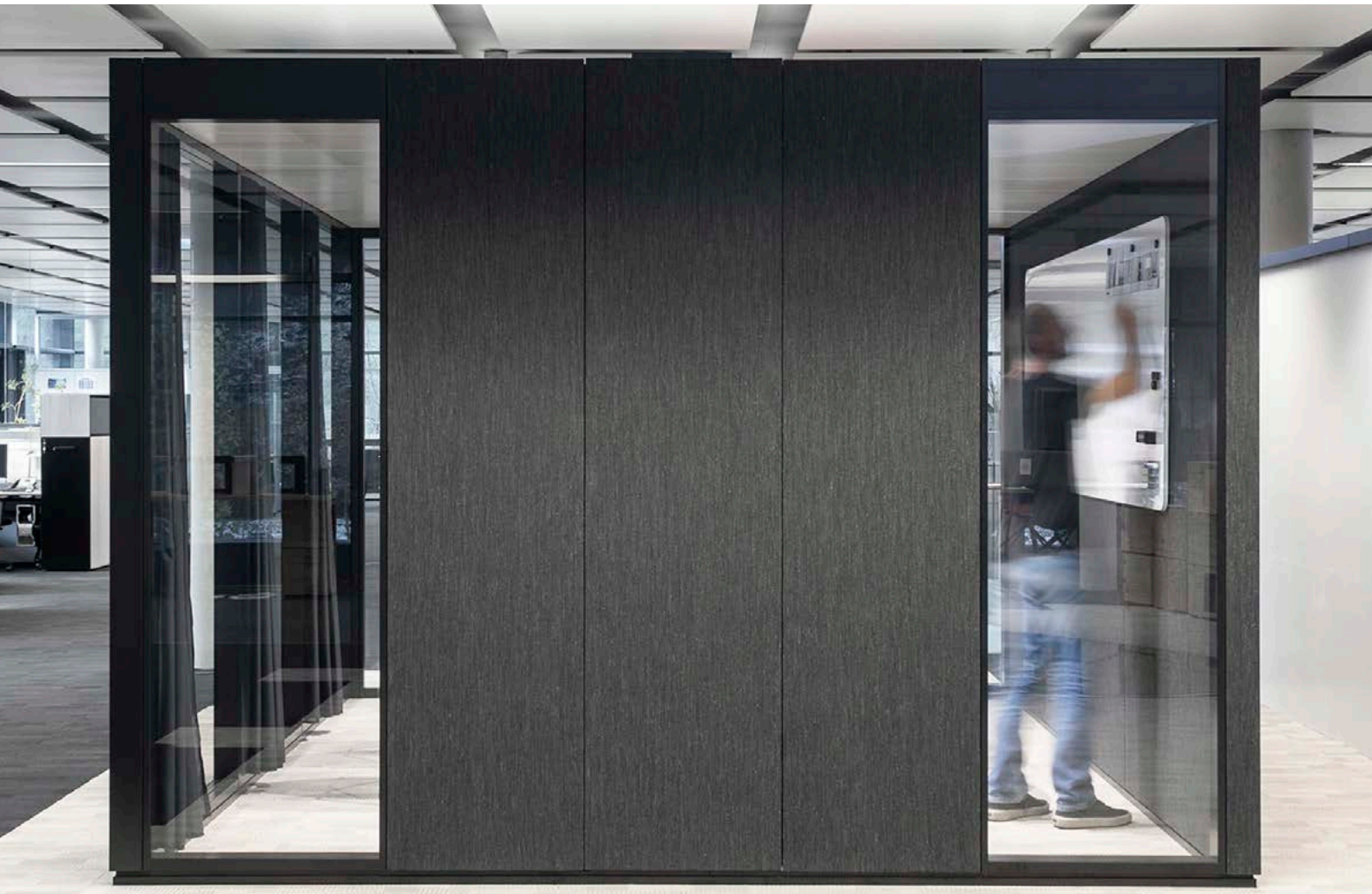
NOOXS THINK TANK

THE MODULAR ROOM-IN-ROOM SOLUTION

The free standing room-in-room system offers a simple construction solution for setting up acoustically protected spaces for temporary use. NOOXS Think Tanks are available in four sizes and are comprised of NOOXS wall panels and glass elements, which provide a clear view inside and out. Optional curtains and blinds can also be added to offer privacy when required. A technical ceiling panel with fully integrated LED lighting and ventilation spans the room, while the remaining ceiling infill can be fitted with additional noise protection. NOOXS Think Tanks are distinguished by the highest standards of comfort in terms of furnishings, a complete technical infrastructure, excellent noise reduction and an extremely economical assembly time. Options for use are varied, ultimately the furniture determines the function. Meeting room, stand-up meeting, Business Box or Phone Booth - anything is possible.



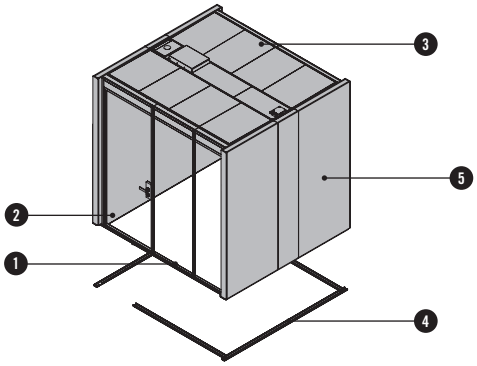
bene

INSPIRING OFFICES. SINCE 1790.

PRODUCT DESCRIPTION

ACOUSTIC VERSIONS

Acoustic level: up to 39 dB Rw‘ sound insulation (overall system)
Speech level reduction (ISO 23351-1): up to class A (depending on the absorber surface)



1. **Glass element:** 8 mm LSG acoustic glass Rw 36dB
2. **Glass door:** 10 mm TSG glazing and drop-down seal Rw 32 dB
3. **Ceiling element with acoustic panels**
4. **Acoustic base**
5. **Wall element:** Rw up to 38 dB

Specified sound insulation values were measured in an office environment by an independent testing institute in accordance with EN ISO 16283-1 and characterise the sound insulation properties of the entire room-in-room system, including all secondary sound paths. The sound insulation from room to room depends on the sound insulation of the installed partition wall system and the longitudinal sound insulation of the flanking components.

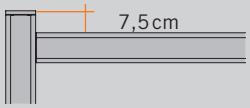
Flanking components (e.g. floor partitions), connections that are not sealed on site and their penetrations (ventilation, water and electrical installations), which do not have the required sound insulation value, considerably reduce the sound insulation value from room to room. For this reason, Bene GmbH expressly points out that it assumes no warranty for the sound insulation from room to room in the installed state.

Rw‘: Sound insulation value of the entire room-in-room system in accordance with EN ISO 16283-1
Rw: Sound reduction index of an individual wall element (EN ISO 10140-1 to 5)

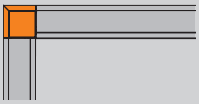
Speech level reduction according to ISO 23351-1 - this value depends on the ratio of the sound-reflecting surface to the absorber surface. This ratio influences the reverberation time, the weighted sound insulation (Rw‘) and, above all, the sense of well-being in the think tank. A reverberation time of approx. 0.2 to 0.3 s is perceived as pleasant. It is recommended that sufficient sound-absorbing surfaces (wall absorbers or acoustic ceilings) are always provided during planning.

OVERVIEW & DIMENSIONS

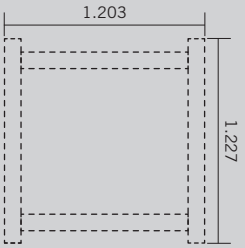
NOOXS THINK TANK CLASSIC

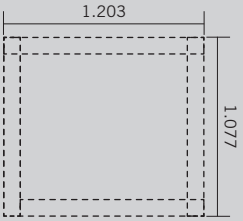


NOOXS THINK TANK WITH NOOXS CORNER

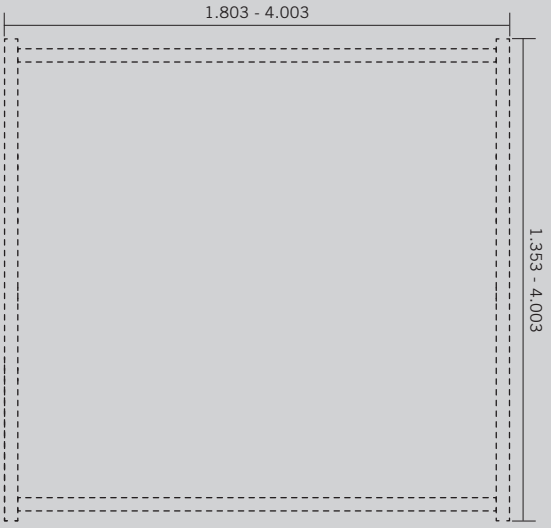


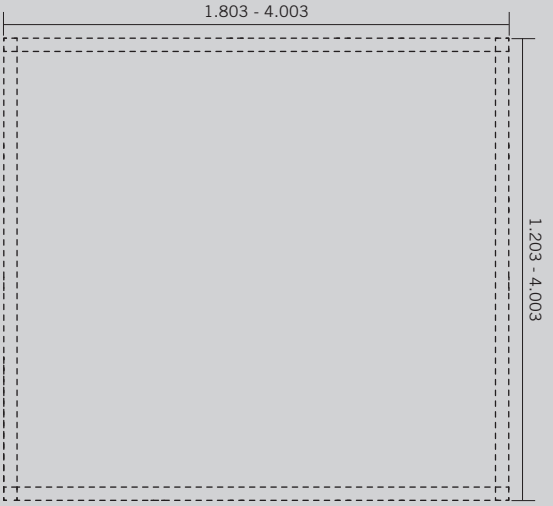
PHONE BOOTH





NOOXS THINK TANK





Mischung zwischen Classic und 90° Corner Tiefe: 1.278 - 4.003 mm

Minimum room height (building) = highest NOOXS element + 300 mm.
interior height: min. 2.050 - max. 2.500 mm, exterior height: min. 2.200 - max. 2.650 mm (+100 mm supply air module), special dimensions on request

Wall element	**Wall element absorber**	**Technical element**	**Glass element**	**Hinged door**
B: 500 - 1.200	600 - 1.200	400 - 1.200	400 - 1.200	800 - 1.100
T: 100	100	100	100	100
H: 2.200 - 2.650	2.200 - 2.650	2.200 - 2.650	2.200 - 2.650	2.200 - 2.650

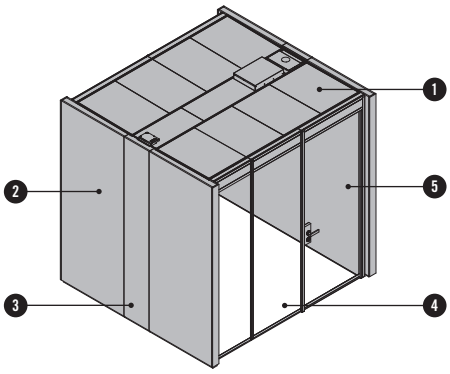
Note: please be aware that there is additional assembly work when you combine several Think Tanks in an order.
Maximum floor unevenness: 20 mm

Measurements in mm

PRODUCT DESCRIPTION

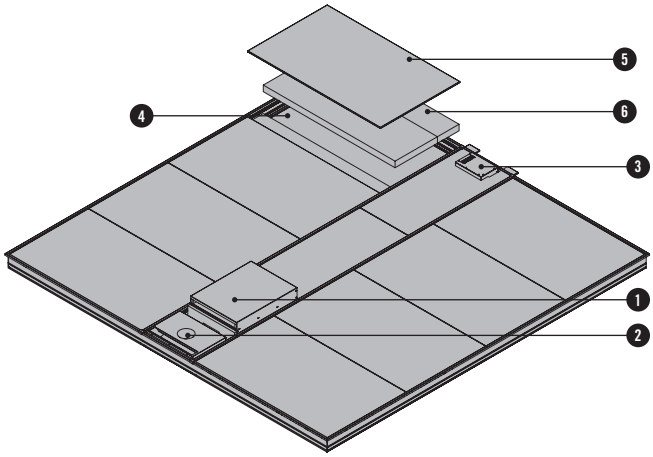
NOOXS THINK TANK

1. Ceiling element
2. Wall element
3. Technical element
4. Glass element
5. Hinged door
6. Crossbar (open)



CEILING ELEMENT

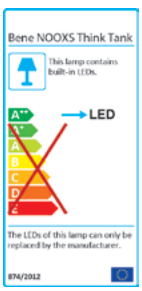
1. Supply air module
2. Exhaust air module
3. Control module
4. Ceiling panel
5. Cover panel
6. Acoustic insulation panel



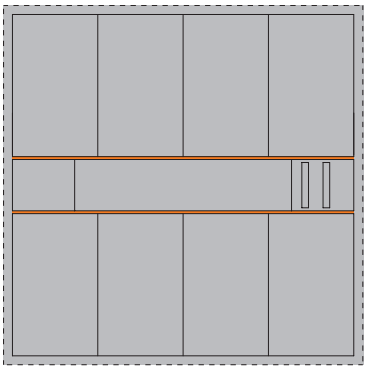
LIGHTING

PHONE BOOTH

Characteristics: LED lights with stray discs, colour temperature approx. 4.000 K, dimmable at 3 levels



NOOXS THINK TANK



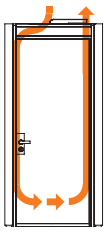
Characteristics: LED lights with stray discs, colour temperature approx. 3.000 K, dimmable at 3 levels

Note: by changing the NOOXS Think Tank height, the illumination of the room also changes.

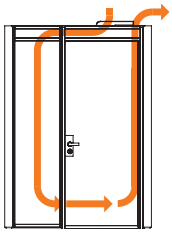
PRODUCT DESCRIPTION

VENTILATION SYSTEM

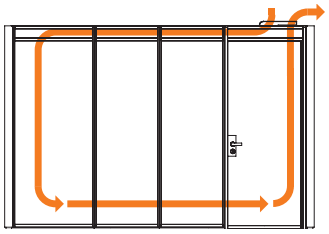
Phone Booth
approx. 59.4 m³ / h max.
LWR up to 29 times / h



NOOXS Think Tank small
Normal operation up to 315 m³/h
Rinsing stage up to 463 m²/h



NOOXS Think Tank large
Normal operation: up to 405 m³/h
Purge stage: up to 694 m³/h



Characteristics: adjustable at 3 levels, AER = maximum air exchange rate per hour measured when it is installed

NOOXS Think Tank small with up to 2.000 mm external dimensions

Ventilation level	Air Flow	Acoustic emission inside / reverberant surface	Sound emission inside / with absorber
1 (reduced normal operation)	251 m³/h	30 dB(A)	23 dB(A)
2 (normal operation)	315 m³/h	32 db(A)	25 dB(A)
3 (flush level)	463 m€/h	45 dB(A)	37 dB(A)

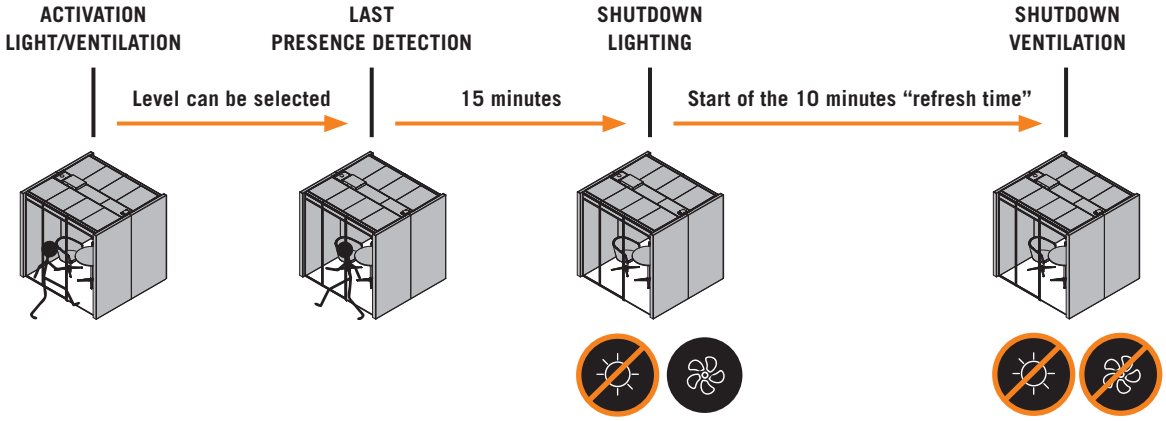
NOOXS Think Tank large with external dimensions from 2.804 mm - 4.003 mm

Ventilation level	Air Flow	Acoustic emission inside / reverberant surface	Sound emission inside / with absorber
1 (reduced normal operation)	259 m³/h	32 dB(A)	25 dB(A)
2 (normal operation)	405 m³/h	44 dB(A)	36 dB(A)
3 (flush level)	694 m³/h	54 dB(A)	45 dB(A)

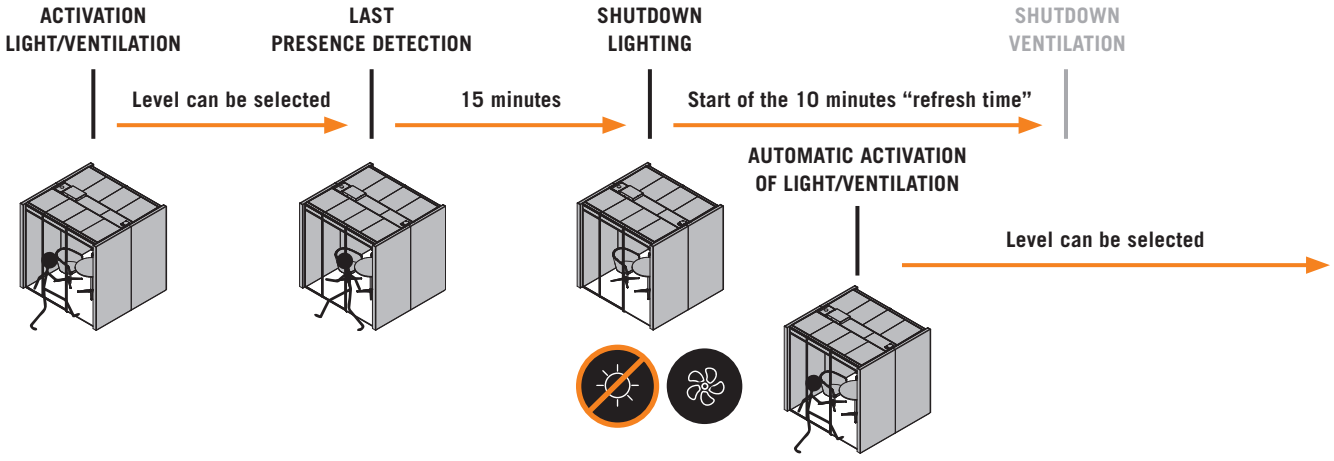
PRODUCT DESCRIPTION

NOOXS THINK TANK MOTION DETECTOR WITH A DELAYED CONTROL UNIT
Lighting and ventilation are automatically activated when anyone enters the Think Tank (Level 2). The user retains the option of controlling the lighting and ventilation according to his or her needs. When the user exits the Think Tank, the delayed control unit (included) becomes active: the lighting is automatically shut off and the ventilation activated for ten minutes. This prepares the NOOXS Think Tank optimally for the next user.

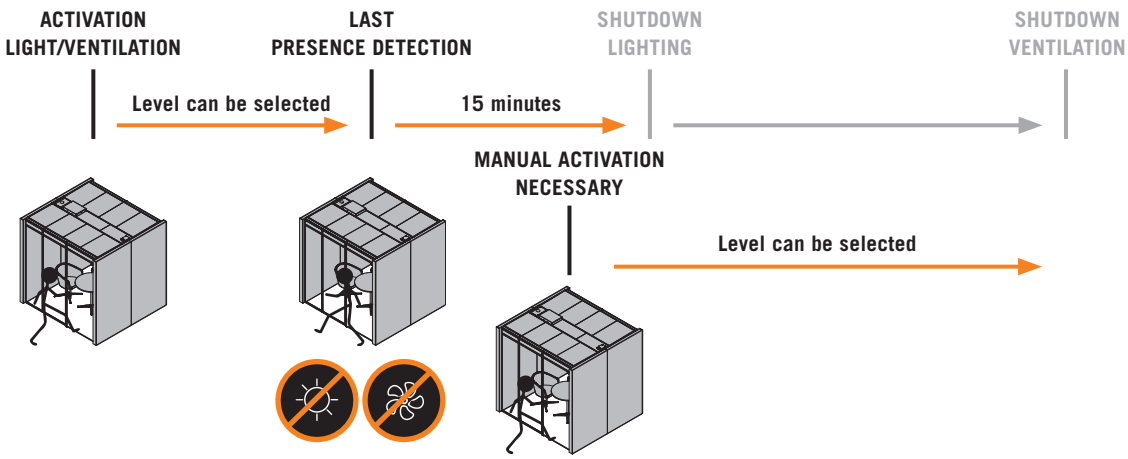
Phone Booth: There is no switch in the Phone Booth, instead it is controlled automatically via the motion detector.
Note: Heat sources such as printers can lead to malfunctions, so they and similar devices should be positioned outside the Think Tank.



ENTERING BEFORE THE 10 MINUTE “REFRESH TIME” HAS ENDED

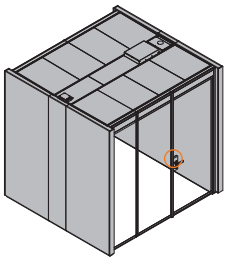


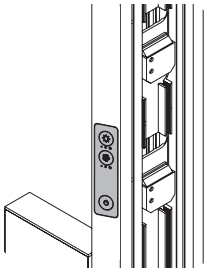
MANUAL DEACTIVATION OF LIGHT AND VENTILATION UPON LEAVING



PRODUCT DESCRIPTION

CONTROL - NOOXS THINK TANK
Light control and fan control
Position: Hinged door, door frame inner side

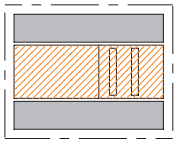


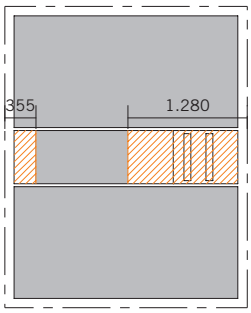


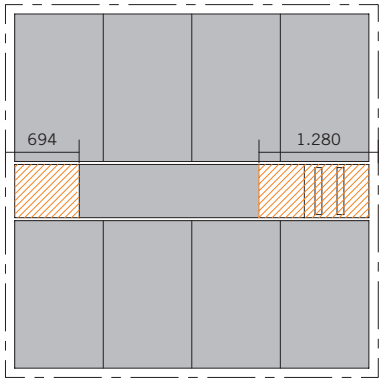
Phone Booth: There is no switch in the Phone Booth, instead it is controlled automatically via the motion detector.

SPRINKLER AND SMOKE DETECTOR FEED-THROUGH

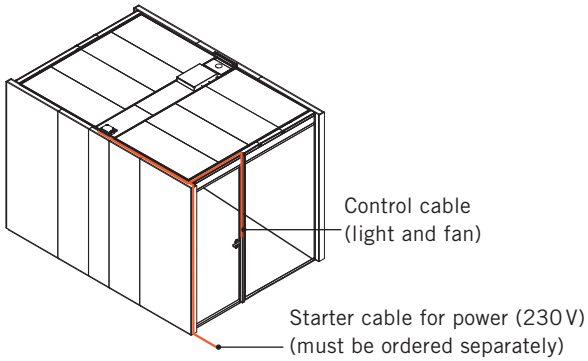
The position of the sprinkler and smoke detector can be freely selected in the areas marked in grey. Installation is not possible in shaded areas.





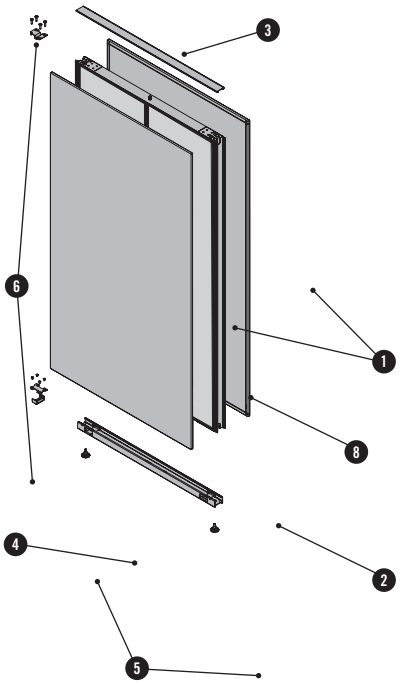


CABLING DIAGRAM



PRODUCT DESCRIPTION

WALL ELEMENT



1 **Panelling – Wall element**
16 mm chipboard
8 mm chipboard + 8 mm fibre board [1]

1 **Panelling – Technical element**
16 mm chipboard
8 mm chipboard + 6 mm fibre board [1]

2 **Frame – Wall element**
19 mm chipboard / plastic

2 **Frame – Technical element** aluminium

3 **Cover profile** in aluminium natural anodised A6 or black powder-coated (RAL 9011 matte)

4 **Base profile** (acoustically effective) black powder-coated matte

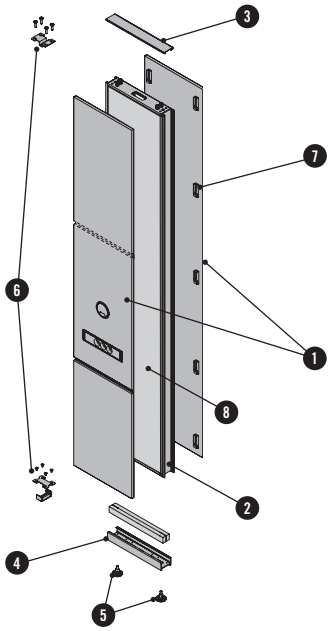
5 **Adjustment legs**
plastic, can be levelled up to + 25 mm

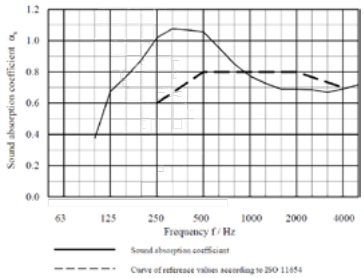
6 **Extension fittings** steel

7 **Hook-in clip** plastic

8 **Acoustic insulation board**

TECHNICAL ELEMENT





Sound absorption according to ISO 11654
Rated sound absorption level α_w 0.80 (in acoustically activated areas), Absorption class = B

[1] pinnable
Different panelling can be selected on front 1 and front 2. As many as 2 shells on each front are possible (technical element). In the standard version of the wall element, the panelling is permanently glued on.

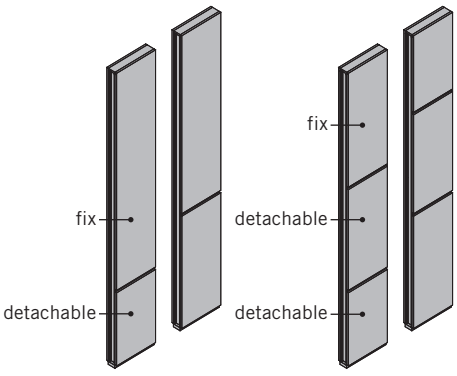
PANELLING OF TECHNICAL ELEMENTS

Due to the construction of the ceiling element, the panelling on the outside and at deveded panels, also the lower panels on the inner side of the NOOXS Think Tank can be unhooked, to exchange them or to wire them later.

The technical element can be divided at each front with one or two horizontal 20 mm joint. Cables can be fed through the joint.

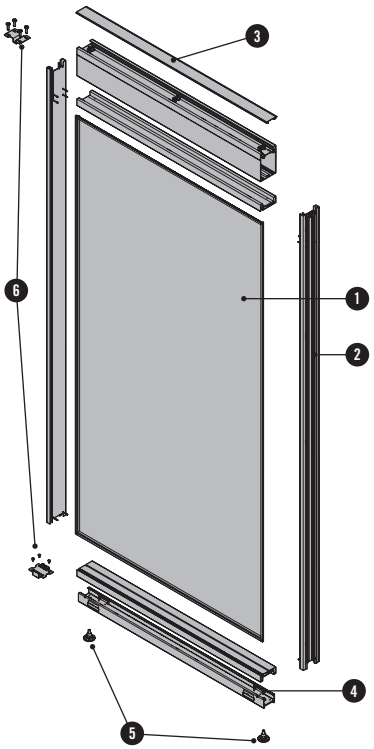
The joint can be implemented at 2 fixed heights:
· seating height, joint height 655 mm
· standing height, joint height 985 mm

Additional second joint possible:
· for seating height, second joint height 1.508 mm
· for standing height, second joint height 1.838 mm

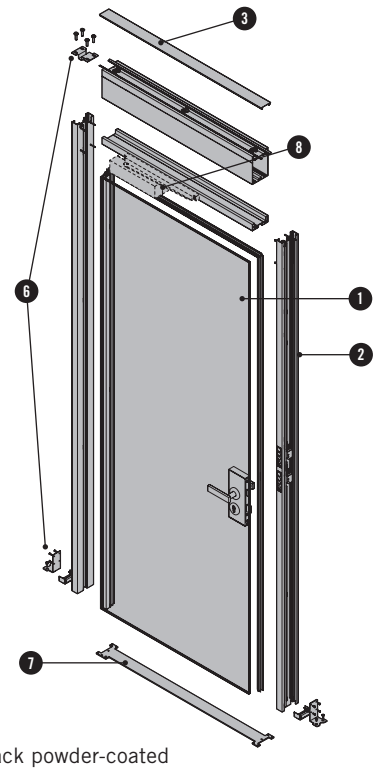


PRODUCT DESCRIPTION

GLASS ELEMENT



HINGED DOOR



1. **Surface - glass element**
   Glass 8 mm LSG made of float glass
   with acoustic film
   Glass 6 mm TSG safety glass [1]
   Clear glass (KS), smoked glass (DP)

1. **Surface - hinged door**
   10 mm TSG [1], clear glass (KS), smoked glass (DP)

2. **Glass profile - glass element** [3]

2. **Frame profile - hinged door** [3]

3. **Cover profile** [3]

4. **Base profile** (acoustically effective)
   black powder-coated matte

5. **Adjustment legs**
   plastic, can be levelled up to + 25 mm

6. **Extension fittings** steel

7. **Transitioning rail** in black powder-coated
   (RAL 9011 matte)

8. **Door closer type TS 92 with guide rail** [2]
   optionally for glass doors, aluminium coloured or black powder-coated

[1] **Duty of notification regarding TSG - Spontaneous glass breakage**
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 EN 14179 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.

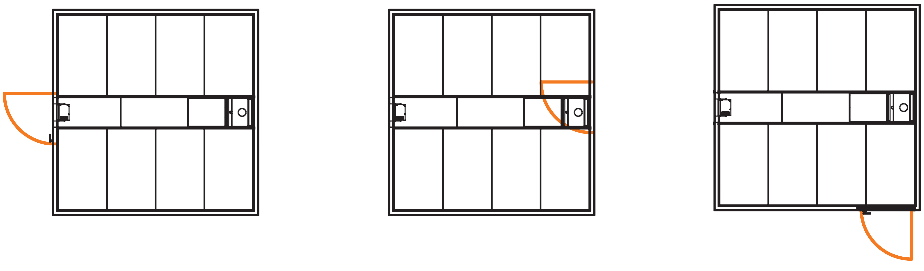
[2] **Door closer:** The opening angle of the hinged doors with frame but without door closer is max. 175° and for solid core doors max. 134°. The maximum opening angle is restricted by installing a door closer. Glass door with assembly to a post: Opening angle max. 120°

Accessories: An opening limiter is used to prevent an open door from hitting adjacent walls. The opening limiter is no overload protection and will in most cases not replace a door stopper. Grid fixing unit: The grid fixing unit is used for mechanic fixing of doors which are supposed to be kept open for a temporary period.

[3] **Colours & materials**
Aluminium natural anodised A6 or black powder-coated (RAL 9011 dull matte)

Possible door opening directions
Opening directions “inward” and “outward” permissible.

Configuration
Position of the wall, door elements and opening direction may be freely defined. Positions of the elements may also be changed subsequently according to the system specifications.

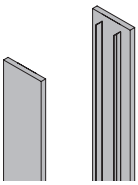


PRODUCT DESCRIPTION

END PANEL

The end panel is a separate item that must be ordered separately for each free end of a NOOXS arrangement.

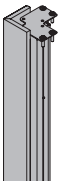
Material: 12 mm chipboard on aluminium profile.



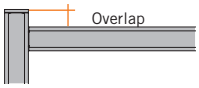
NOOXS CORNER

The NOOXS Corner is a separate article which is used in a configuration without protrusion.

Material: Chipboard 16 mm, aluminium, melamine, veneer or fabric

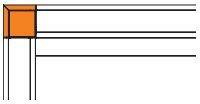


Planning note



The overlap is always 75 mm.

An end panel must be attached to all free ends.

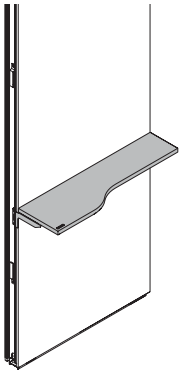


NOOXS Corner

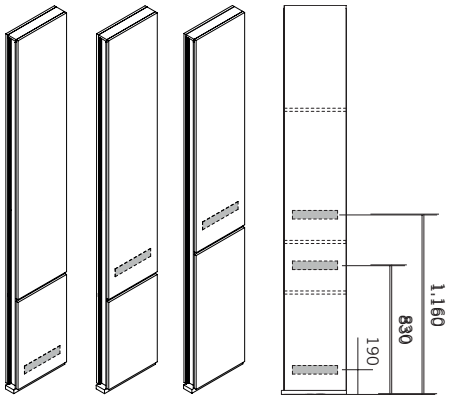
Flush installation without protrusion.
Optional cabling in the interior; can be extended with any of the elements.
At least one wall element in the overall configuration of the Think Tank.

PHONE BOX TABLE
Table made of plywood 25 mm. Direction of top shape left or right.
Dimensions: Width: 1.002 mm, depth: 349 mm and height: 129 mm
Maximum load: 10 kg
Assembly in sitting and standing height (740mm / 1.070mm)

Colours based on the Bene collection in melamine groups 1, 2 and 3.



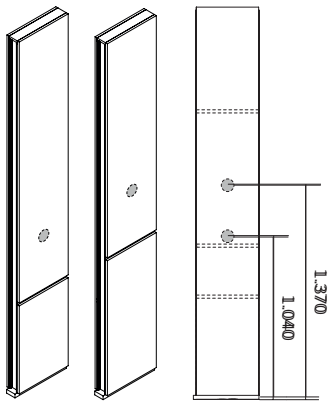
OPTIONS



PREPARATION FOR CONNECTION PLUG BOARD (TECHNICAL ELEMENT)
A cut-out for a connection plug board (Bene 4-fold connection plug board) can be configured in the panelling for additional cabling - this must be ordered separately.

The cut-out can be implemented at 3 fixed heights:
- Bottom cut-out, 190 mm high
- Seating height, 830 mm high
- Standing height, 1.160 mm high

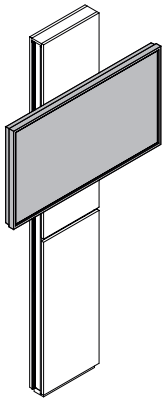
If the panelling is divided with a joint, then
the permissible position for the cut-out is determined by the position of the joint.



CABLE OUTLET FOR SCREEN (TECHNICAL ELEMENT)
For additional cabling purposes a cable outlet can be configured in the panelling for cabling or assembly of a screen.

The cable outlet can be implemented at 2 fixed heights:
- Seating height, 1.040 mm high
- Standing height, 1.370 mm high

If the panelling is divided with a joint, then the permissible position for the cable outlet is determined by the position of the joint. If there is a cut-out for a connection plug board, then the same position designation also applies to the cable outlet.



SCREEN ASSEMBLY (TECHNICAL ELEMENT)
The following are required in order to assemble a screen on a 400 mm technical element:
- NOOXS assembly set for TFT wall-mounted bracket
- “Chief Low-Profile Hinge Mount RMF2” wall-mounted bracket (for screens weighing up to 56,7 kg)
- a screen compatible with the wall-mounted bracket, e.g. “NEC MultiSync ME501”
  for further information ➔ see price list or product data sheet “Media Hardware”
- 1 connection plug board with 3 power sockets (configurable via pCon Planner or Basket)
- 1 starter cable

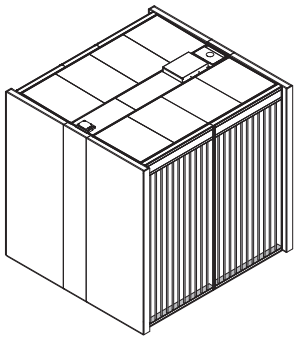
For screens weighing more than 56,7 kg mounting sets are available on request (TA).

OPTIONS

BUILT-IN COMPONENTS IN GLASS ELEMENT
It is possible to fit out the NOOXS glass elements with additional modules in order to create privacy; upgrading with these modules is also possible.

Slats
Hidden integration directly in the NOOXS Think Tank glass element. Clearance angle of the slats: 45°
Available widths: 400 - 1.200 mm.

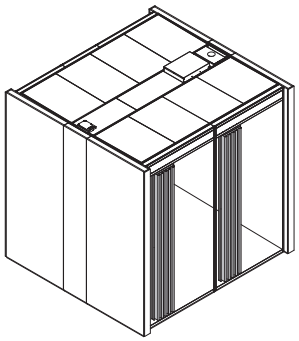
Colours & materials Melamine groups 1-3



BUILT-IN COMPONENTS IN GLASS ELEMENT OR CEILING BAR

Curtain by Creation Baumann
Hidden integration directly in the NOOXS Think Tank glass element or, for the open version, in the ceiling bar. Available height: 2.200 - 2.650 mm.
Available widths for assembly in glass element: 400 - 1.200 mm.
Installation in ceiling support only available on request (TA).
Other widths can be represented by the next shorter or longer width – folding differs slightly from the standard widths.

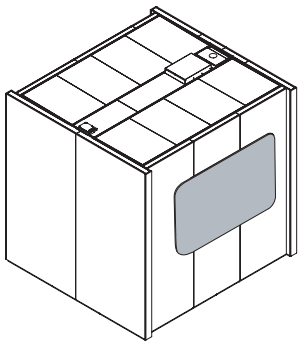
Possible fabric collections:
- Sinfonia VI Color (not acoustically effective)
- Sinfoniacoustic (acoustically effective)



NOOXS WHITEBOARD
- writable
- magnetic

The following are required in order to assemble a whiteboard:
- NOOXS assembly set for whiteboard
- Abstracta „Moow“ whiteboard

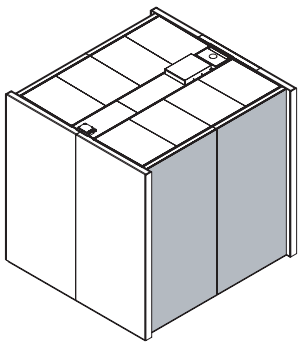
The whiteboard is fastened to the top of the NOOXS wall element with one or two wires and mounting brackets. Whiteboards ≤ 1.20 mm require 1 vertical joint. Whiteboards from 1.500 to ≤ 2.000 mm require 2 vertical joints.



NOOXS WHITEBOARD LAMINATE
The NOOXS whiteboard laminate without magnetic function transforms every NOOXS wall element into a full-surface whiteboard.

The whiteboard surface can be selected for each wall element in widths between 500 mm and 1200 mm, a division of the surface and combination with other materials is not possible (no partial surfaces).

Colour & material: MW white melamine



COLOURS & MATERIALS

MELAMINE GROUP 1: Basic colours

MW white

MQ office white

MC canvas

MP platinum


MA aluminium


MS slate


MB basalt

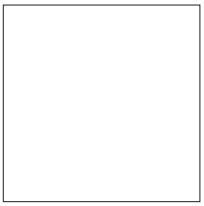
MELAMINE GROUP 2: Additional basic colours


MH stone grey


TM clay


MD urban grey


MGS graphite black


MSW snow white

MELAMINE GROUP 2: Decor colours

AR maple


EZ oak vicenza


BH beech light


NG walnut grey

MELAMINE GROUP 3: Accent colours


MPZ pistachio


MHR light rose

MELAMINE GROUP 3: Decor colours, wooden texture


CO coco texture


MNP walnut pavia

VENEER: Maple

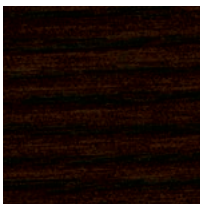

AK canad. maple

VENEER: Beech


BG beech, grey

VENEER: Oak


EY oak, silt


ER oak, amaretto


EV oak, volcano


EG oak grey

COLOURS & MATERIALS

VENEER: Chestnut


KD chestnut natural


KP chestnut brown


KQ chestnut grey

VENEER: Walnut


NF americ. walnut


NR walnut, sienna


NB walnut, umbra


NA wal., anthracite

VENEER: Bamboo


BJ bamboo

MDF SURFACES: Varnished, solid-coloured plastic

WI white


BS basalt

METAL SURFACE: Metal surface, powder-coated

WI white

GLASS

KS clear glass

ST white, satin finish


DP smoked glass

ALUMINIUM ANODISED

aluminium natural A6

METAL SURFACE POWDER-COATED


black matte (RAL 9011)

FABRIC
All fabric collections are available as cover: Era, Urban Plus, Xtreme Plus, Inn, Rondo, Step, Step Melange, Remix, Europost, Mainline Flax, Assam, Steelcut, Fiord, Hallingdal, Steelcut Trio, Divina Melange, Divina MD, Coda, Elle.
More information about the specific fabric collections is available at www.bene.com.