



MEDglas WALL ESG-H

MODULAR GLASS WALL SYSTEM

DATA SHEET

MGW-010

GENERAL DATA

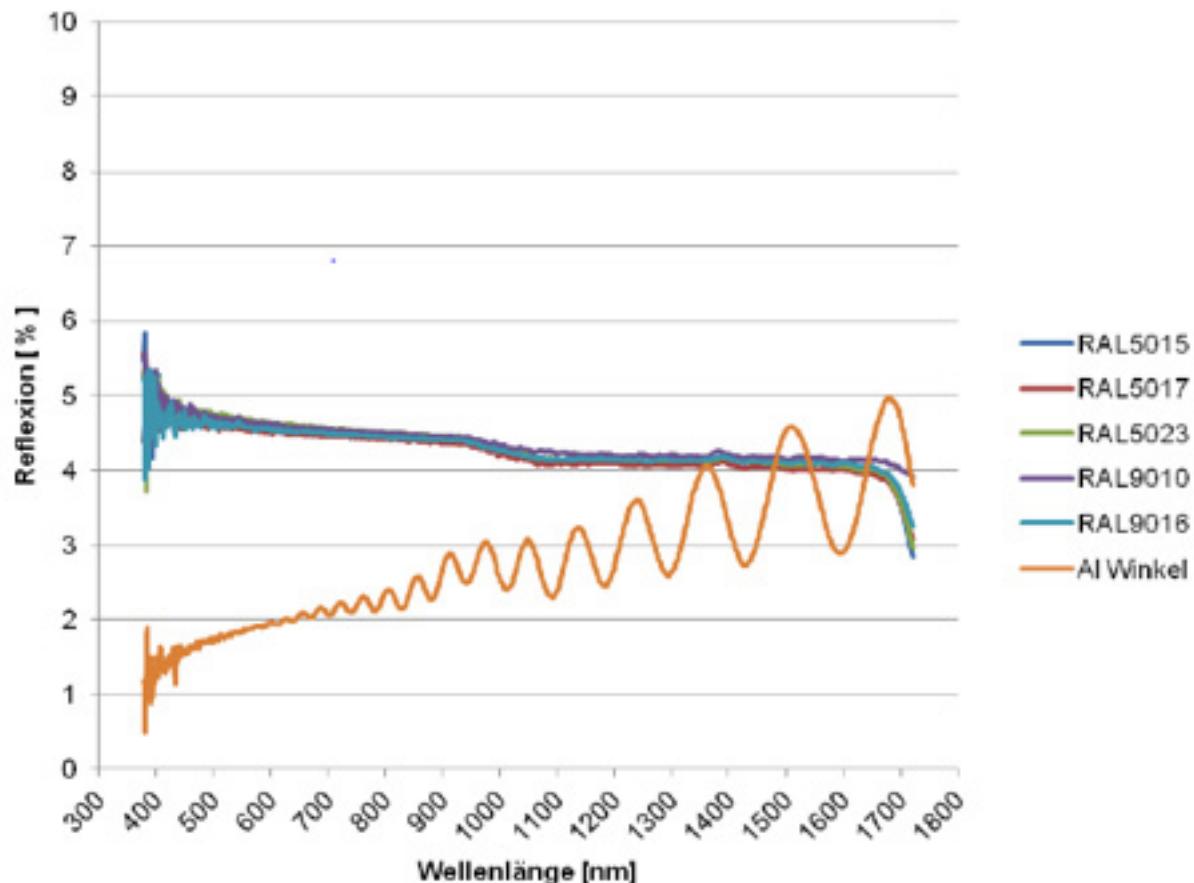
Product description	MEDglas Wall ESG-H
Item/model number	MGW-010
Company	MEDIK
Type	Modular glass cladding made of toughened safety glass with a hot storage test. (Raw material before process is float glass)
Type description	Modular glass cladding system to be mounted on a substructure. 25/64" [10 mm] thick thermally toughened safety glass including all cutouts according to requirements. Scratch- and crack- proof glass. The glass panels are additionally stored in a hot storage furnace for 8 hours at 554°F [290 °C] (Heat-Soak-Test) to avoid spontaneous breakage due to trapped nickel sulphides. Disassembly and reassembly possible without any damage.
Color	Opaque color coating according to RAL color table on the back of the glass
Image	Optional image on the back of the glass (MGW-002)
Joints	All joints sealed with Ottoseal silicone or using a silicone profile (see separate data sheets; MSS-015 - 018)
Edges and Cutouts	All edges and cutouts polished
Fastening	Hidden panel fastening using screws
LED Light	Possibility for adding LED light concept behind the glass. All installations according to individual requirements
Monitors	Possibility for adding Monitors behind the glass. All installations according to individual requirements
Liability	The warranty period is 12 months from final invoice. Please note that no glass breakage warranty can be given
Production	Made in Germany; Produced by MEDIK Hospital Design GmbH

TECHNICAL DATA

Finishing material	Glass
Core material	Glass
Size	No fixed panel widths - individual sizing according to optimal layout.
Max. panel size	3' 11.25" x 9' 6,2" [1.200 x 2.900 mm] (W x H)
Weight	5,12 pound/square foot [25 kg / m ²]
Glass Thickness	25/64" [10 mm]
Flexural Strength	51.629,347ft·lb [70.000 Nm / mm ²]
Specific warmth capacity Cp	0,73 x 10 ³ J / kg * K
Water absorbtion rate	None
Surface hardness	5,3 on Mohns scale
Surface resistance rate (Ω)	∞ (Isolator)
Germ proof test	Germ free surface
Sound Insulation capacity	33 dB without additional insulation, higher sound insulation can be achieved by additional insulation in the substructure
Lead equicalent (X-RAY protection)	0.004" [0,1 mm eq.]
Joint width	9/32" [7 mm]
Earthquake Certificate	9.2 on richter scale
Heat-Soak-Test	Hot storage test for a couple of hours at 554°F [290°C] to avoid spontaneous breakage

LASER REFLECTION

MEDglas Wall has a special coating on the back of the glass. This coating does not only prevent the glass from being transparent, it also scatters light to reduce reflection. According to the diagram below, the reflection of laser light is under 6 %, depending on the color of the coating. According to international laser regulations, this percentage of reflection is permitted during laser application. Other regulatory measures for laser protection still apply.



INSTALLATION

MEDglas Wall is screwed onto the substructure in the joints between two panels, using fixing brackets on the back of the panel. All gaps will be filled with silicone or profiles after mounting.

REQUIREMENTS

Floor	Floor layout is necessary
Elevation Drawings	Elevation drawings are necessary
Cutouts and measurements	All panel cutouts and measurements must be pre-planned exactly. Subsequent processing is not possible. Alternatively, the position MED Wall Extension Panel (stainless steel panel see MGW-006) can be installed for subsequent processing. Please also note: Holes must be drilled next to door frames at a distance of at least 5 29/32" [150 mm]. Holes on an extension panel must be drilled at a distance of at least 3 15/16" [100 mm] and holes on glass panels at a distance of at least 1 31/32" [50 mm]. Light switches and door openers (MED Door Drive Magic Switch see MDD-005) must be installed at a distance of at least 3 15/16" [100 mm].
Material	Material for installation must be on site
Storage Area	Storage area for the material must be available
Transportation Way	The way of transportation to the construction site should be passable with a lifting carriage or trolley
Wall	All wall installations have to be removed
Piping and Cabling	All piping and cabling must be finished
Substructure	Any kind of substructure must be available. Glass is screwed to substructure in the gap between panels

CERTIFICATES

Tempered safety glass in accordance with EN 12150-2

Tempered safety glass conformity in accordance with EN 14179-2

Safety glass according to DIN 1863-1 and EN 12150 consisting of Sanco Dur

Condensate test according to DIN-1096-1

Heat-Soak-Test to EN-10204 (Testreport after process)

All edges and cutouts polished according to DIN EN 1249 part 11

Production according to DIN EN ISO 9001 - quality management

Production according to DIN EN ISO 14001 - environmental management

Certificate for China Compulsory Product Certification (CCC)

Earthquake Certificate

CLEANING / MAINTENANCE

The following information is appropriate for all glass constructions installed by MEDIK. During the cleaning of glass surfaces, it is important to use much clean water to avoid scratches by dirt particles

- Use a soft, clean sponge, leather or cloth
- The effect of cleaning can be supported by using a neutral detergent or a typical glass cleaner
- The glass is resistant against most of the commonly used detergents
- Do not use sharp metal items for cleaning the surface of the glass construction can cause scratches on the surface
- The use of mobile polishing units for repairing surface damages will cause major defects in the surface and can negatively affect the stability of the glass. If using this type of device, the safety of the glass cannot be guaranteed
- Glass can generally be cleaned with regular detergents
- Chemicals based on alkaline leaches, acids or fluoride-containing substances may not be used. These can affect the surface of glass permanently

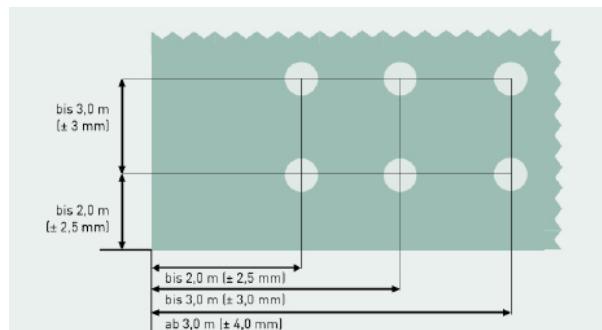
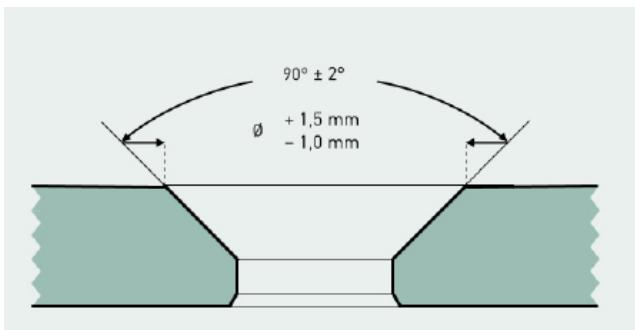
RECOMMENDED CLEANING PROCEDURE

- Our recommendation are products from Bode like Mikrobac forte or Dismozon pur
- Please no dry cleaning!
- Spray plenty of water onto the Glass to loosen hard, abrasive Particles
- Clean cloths regularly to avoid scratches
- Dry the surface with a dry, clean cloth
- Clean the surface with a regular detergent and rinse with plain water
- Film of the detergent can be removed with a clean, dry cotton cloth

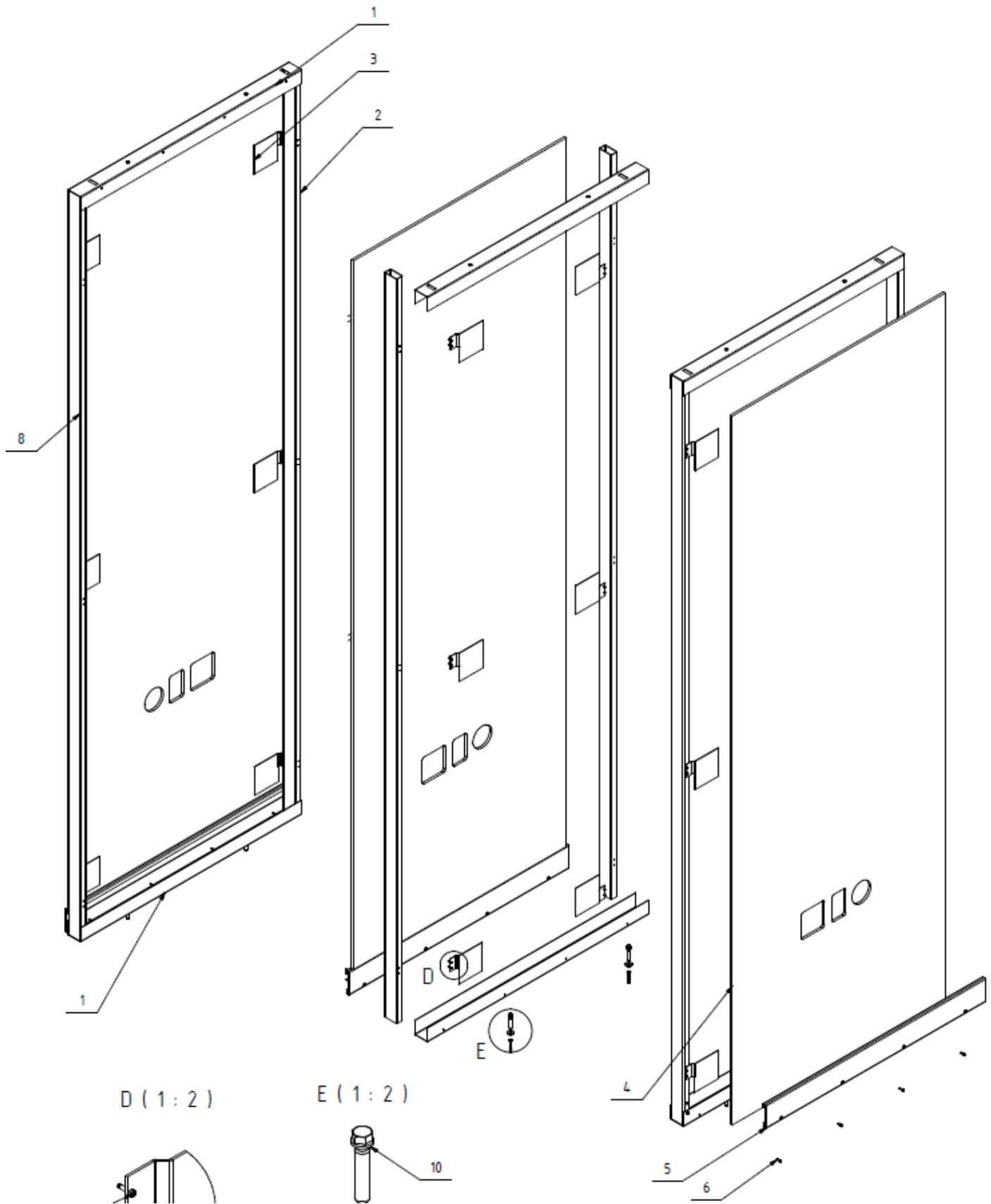
HOLE TOLERANCES

Tolerances for drilling holes and cut-outs

Dimension (\varnothing or size of the excavation)	Tolerance
$\leq 25/32"$ [20 mm]	$\pm 1/64"$ [0,5 mm]
$> 25/32" \leq 2 23/64"$ [20 mm \leq 60 mm]	$\pm 3/64"$ [1,0 mm]
$> 2 23/64"$ [60 mm]	$\pm 5/64"$ [2,0 mm]
Counterbore	$+ 1/16" / - 3/64"$ [1,5 / -1,0 mm]
Countersink 90°	$\pm 2^\circ$



TECHNICAL DRAWINGS



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