

STEEPLE™ Wall System Specification

General description:

STEEPLE™ is halumm's the most popular partition system, based on steel structure.

With a few standard components, STEEPLE™ can cover all requirements for a modern class-A office space.

Any combination of steel panels, wood or tempered glass can be installed along with a selection of doors.

Concealed cabling, acoustic and thermal insulation, or highest fire rating can be achieved.

STEEPLE™ brings prefabricated modular wall system that creates convenience of having less waste upon installation and eco-friendly features.

Affordability of STEEPLE™ also comes with its fast and simple installation.

Long-term benefits as fast redecoration time and reusability, combined with fire- and acoustic insulation rating, makes it a superior choice and brings a success to your project.

Maximum wall height:

3,506mm / 138.03" - glass panels

4,000mm / 157.48" - solid panels

Wall thickness:

104mm / 4.09" – double side wall

90mm / 3.54" or 60mm / 2.36" - cladding wall

Frame structures thickness (cavity space):

60mm / 2.36" – double side wall

60mm / 2.36" or 45mm / 1.77" - cladding wall

Solid wall panels:

- Metal panel with steel 0.8mm / 21 gauge + 12mm / 0.5" gypsum board painted or PVC film finish
- Melamine 12mm / 0.5" thick coated particle board

Glass wall panels:

- Frameless double 6mm / 0.23" & 6mm / 0.23" tempered glass
- Thin framed double 6mm / 0.23" & 6mm / 0.23" tempered glass

Insulation:

- Mineral wool 50 kg/m³, thickness 50mm / 1.96"
- Rubber seals at the junction of two glass pallets
- Rubber seals at the junction of the panel and frame
- Rubber seals on the front side of the panel joint

Height regulation:

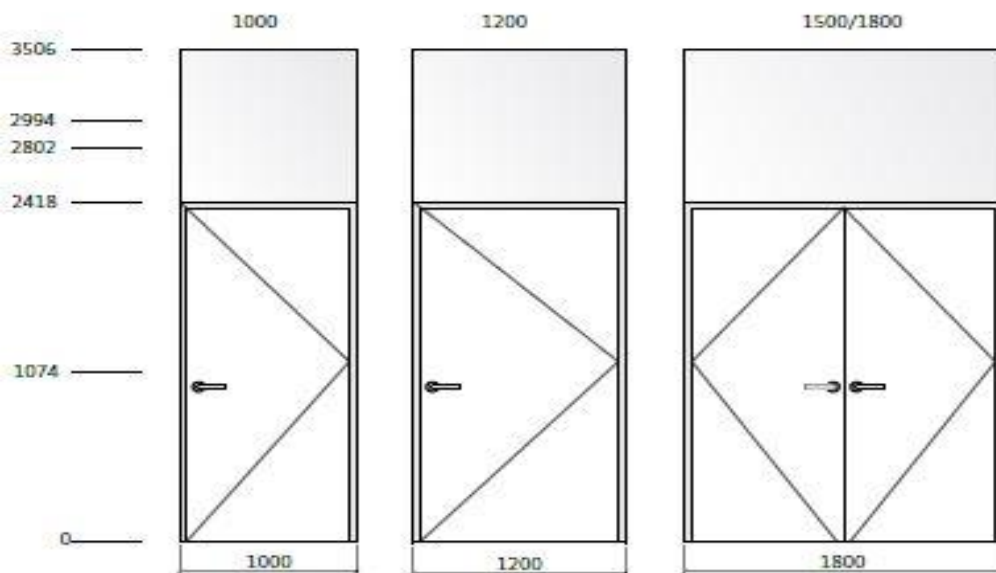
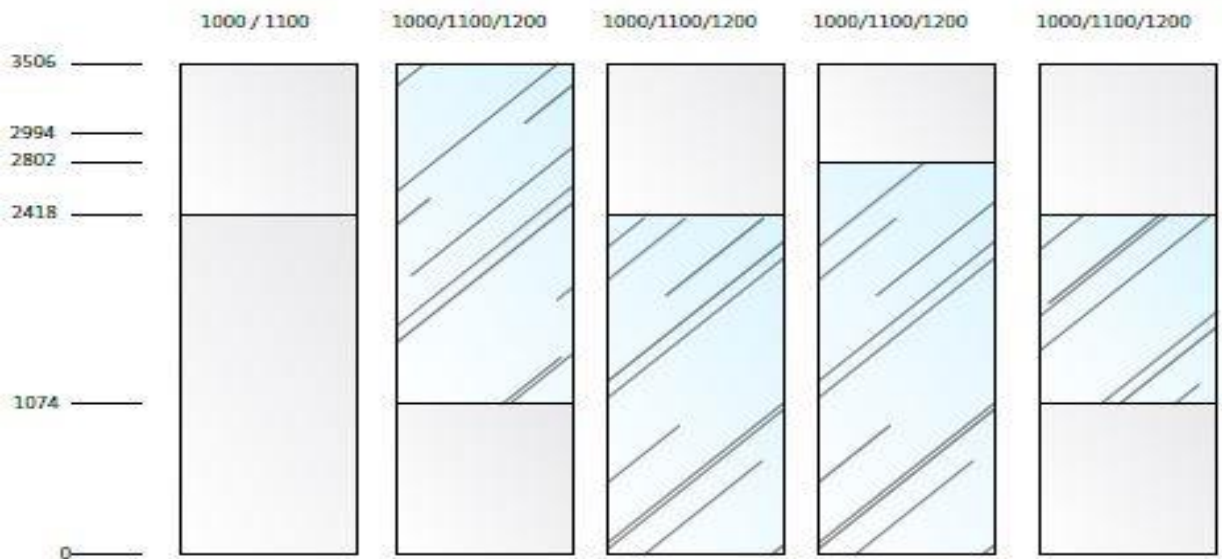
+/- 10 mm / 0.39"

Rating:

Fire Resistance for Steel panel with insulation up to 120min

Acoustic Insulation 49 dB / 53 dB with insulator

Module standard (dimensions in mm):



Door types which can be used with STEEPL™ system:

Swing framed single glass door:

- glass 10 mm thickness
- frame 59 mm thickness
- standard door height 2400 mm
- standard door width 900 mm

Swing framed double glass door:

- glass 5 mm + 5 mm thickness
- frame 59 mm thickness
- standard door height 2400 mm
- standard door width 900 mm

Swing or sliding single glass frameless door:

- glass 12 mm thickness tempered
- standard door height 2400 mm
- standard door width 900 mm

Swing hollow steel door:

- door 45 mm thickness
- standard door height 2400 mm
- standard door width 900 mm
- finish: PVC film or painted

Swing solid core wood door:

- door 45 mm thickness
- standard door height 2400 mm
- standard door width 900 mm
- finish: PVC film or melamine

All type of doors come with door frame, hinges, door handles, lock and doorstop

Dimensions of all types of doors can be changed depending on the project

Electrical or data system:

The steel structure of the STEEPL™ system allows to pull electric or data cables inside the partition when using solid panels or wall cladding. An option for installation of power outlets, voice/data outlets, light switches, thermostats, etc. is also available.

Additional options:

- blinds with electric or mechanical control
- writing glass board (installed as part of the wall)
- glass board

System interchangeability and compatibility:

The overall steel structure of the frame allows the combination of metal panels with glass panels and wall cladding without the use of additional materials or fixtures. Any STEEPLÉ™ system partition can be converted on site from glazing to solid or solid to glazing. The wall section does not need to be removed for any transformation.

The STEEPLÉ™ system can be connected seamlessly to the drywall. If it is necessary to connect STEEPLÉ™ system with another type of demountable wall partitions, the connecting parts can be customized.

Note: no electrical or data communication cables running through glass panels are allowed.