halumm (China) Limited

11F, Hongcheng Intl. Bldg.,
396 Juyuan Road,
310016 Hangzhou, China
T: +86 571 8729 8376
F: +86 571 8722 3075
E-mail: halumm@halumm.com
Website: www.halumm.com

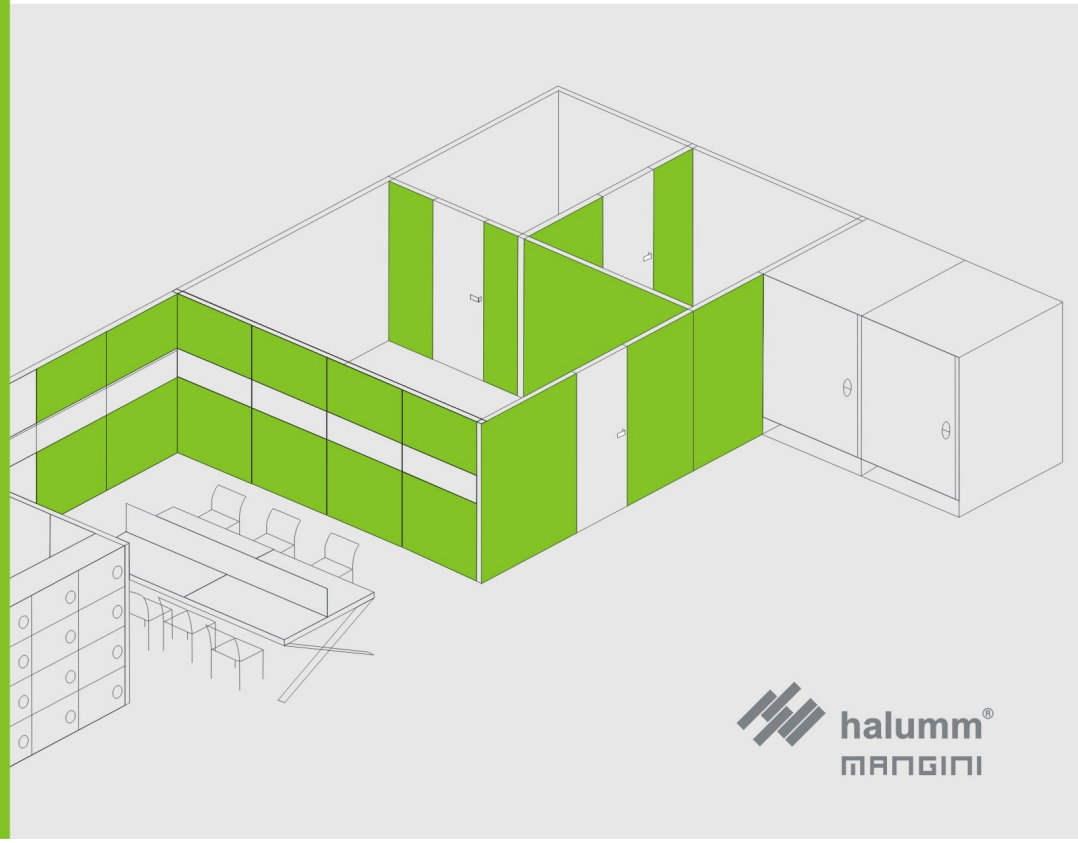
halumm GmbH

Munscheidstr. 14
45886 Gelsenkirchen, Germany

T: +49 209 9476 8093
F: +49 209 9476 8094
E-mail: halumm@halumm.de
Website: www.halumm.de

Office Partition
Planika

halumm · mangini planika fire-resistant steel partition system



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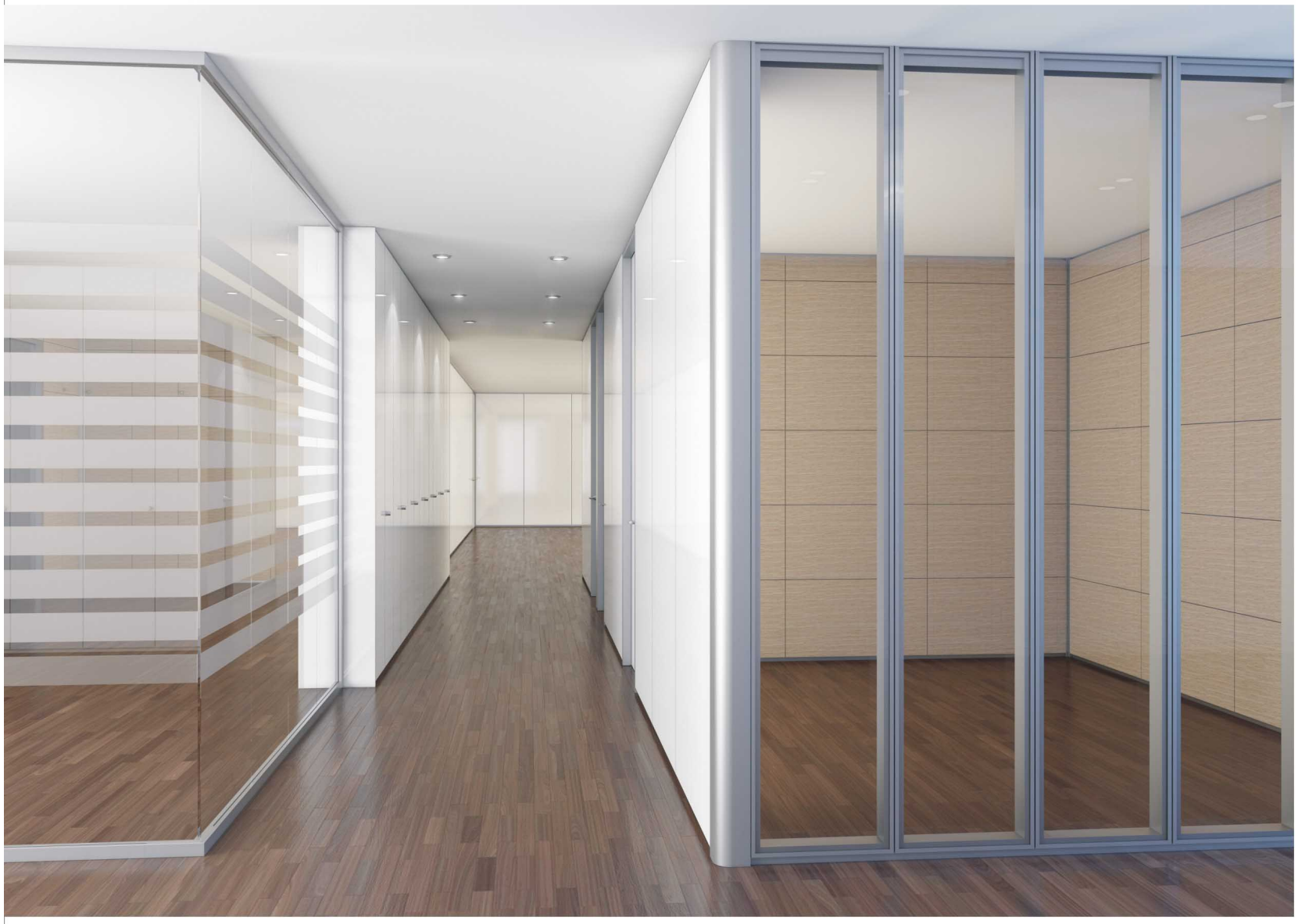

In working places nothing is impersonal.
Planika is elegant and comfortable in the shape and in its substance.
Starting from the wooden panels, with their numberless essences and colours that give exclusiveness to each ambient.

No obstacles to fantasy, no limits to respect. Planika is more than a product line. It is a laboratory able to realize any idea in the field of mobile partition, even in uncommon shapes and materials.

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Buckle type connection for steel keel

Technical description:

Aiming at the wall which is high demand for functions, Planika adopt unitary modular system to realize the functions that indoor bright, surface decoration and anti-fire & soundproofing etc..

Planika structural performance: It is constituted by steel keel. Keel frame and blind module is connected by clipper. Among blind modules, they are connected by little crack.

Planika Combine performance: It is double-blind module. It is easy to dismounting and remove. It can be laid cables even after it is installed.

Planika duration performance: It is installed by professional workers and don't need to cut on the job site. System units are fixed by socket and spigot joint without glue and electrical welding. Each keel frame and blind module is independent so that changing or disassembling can be done in a short time, and they are recycle.

Planika surface decoration: Steel anti-fire decoration, glass anti-fire decoration and HPL decoration whose fire resistance period can be 120mins.

The socket joint type connection for Fire resistance steel panel partition and Fire resistance glass partition

Integration and installation

1/Upper pressor;
2/Lower pressor;
3/Fixing on the partition through acoustic septum in the false ceiling
4/Connection of the studs;
5/Fixing of the partition over an acoustic septum on the raised floor ;
6/Variable angle;
7/Starting of the partition with an horizontal and vertical compensation element;
8/90° angle and passage of the wiring.

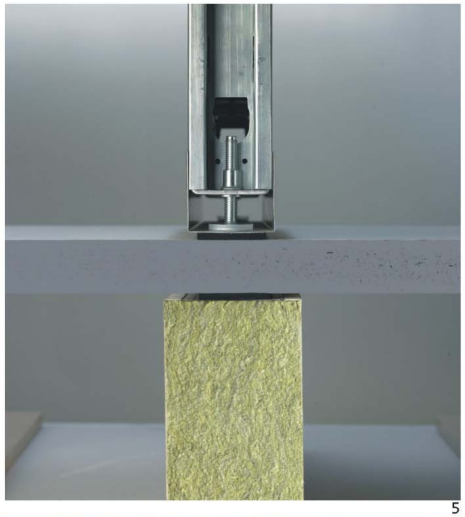

1


2


3


4

The net structure is strongly fixed at the floor and the ceiling with pressors and can be “covered” with different types of panels. The structure is realized with horizontal and vertical studs, connected through fixing system with a lever. The structure is conceived to compensate the differences in level in the length up ±20mm.
The wirings can pass across the structure vertically and horizontally thanks to some slots on the studs.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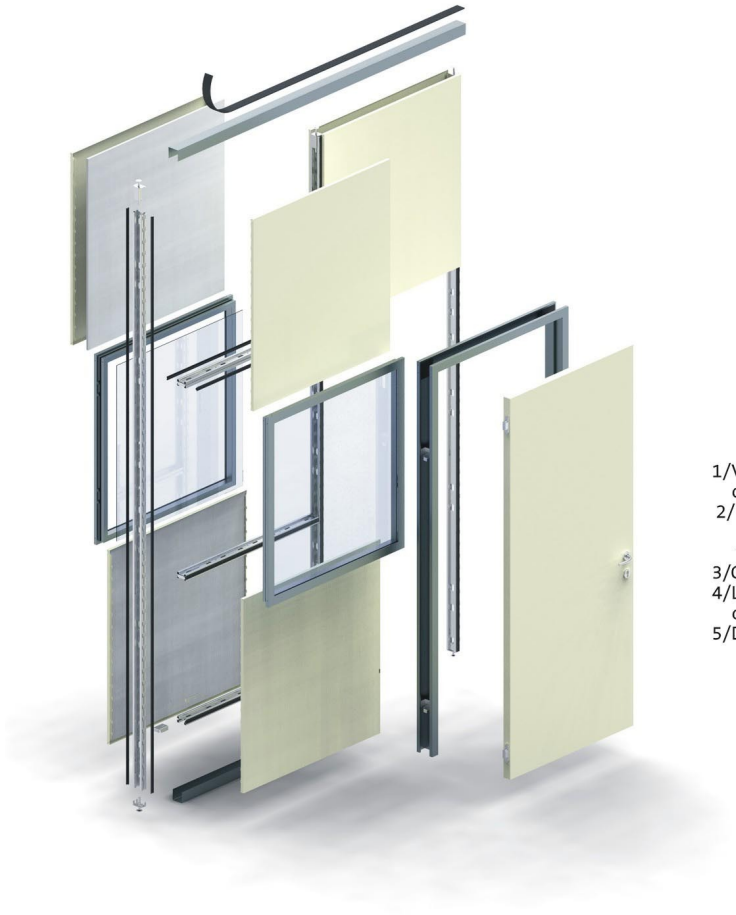
Technical Information

Steel door frame with crystal leaf

Steel glazed frame



1/Varnished steel covering panels
combined with gypsum boards;
2/Load bearing steel
horizontal and vertical structure
with acoustic gasket;
3/Coplanar frames with float glasses,
4/Lower levelling pressors and upper
counterthrust pressors with damper;
5/Doors with steel leaves;

Solid system technical data

Description	Test type 规格	Planika Steel
Panels Fire resistance	EN 13501-1:2001	A1
Structure Fire resistance Resistance	EN 13501	A1
Fire-resistance for whole system	CM 91 14.09.1961 / CSI0361RF	**F120(min)**
Acoustic insulation	ISO 717/1	41 dB / 49 dB with insulator
Formaldehyde	UN EN 717-2:2004	E1
Resistance abrasion TABER	ISO 7784-1,7784-2	Weightloss from 0,042
	ECCA T16-2(1999)	a 0,05 g
Scratch-test	ISO 1518-1992	OK
	ECCA T12 (1999) PESO 2 Kg	
Hardness pencil	ASTM D3363 - ECCA T4	F-H OK
Resistance abrasion TABER	UNI 9115/87	
Scratch resistance	UNI 9428/89	
Dirty resistance	UNI 9300/88	
Cold liquids and spots	EN 12720/97	
resistance	EN 12722/97	
Light resistance	EN 9427/89	
Dry heat resistance	EN 12722/97	
Humid heat resistance	EN 12721/97	
Difference in temperature resistance	UNI 9429/89	

Total thickness of the partition	104 mm	
Thickness panels / doors / backs	18 mm	
Width Structure	60 mm	
Regulation height	±20 mm	
Approximate weight per m	Steel panels 37,5/39,7 kg	
	Wood panels 29,6 kg	
Insulator	Mineral wool 50Kg/m³, thickness 50 mm	
Thickness glasses	Tempered glass 6mm	
Width door opening with leaf H 2098	steel frame	aluminium frame
	876×2036 mm	906×2051 mm
	1076×2036 mm	1106×2051 mm
	1876×2036 mm	1906×2051 mm

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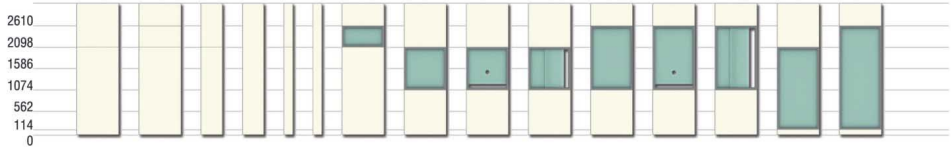
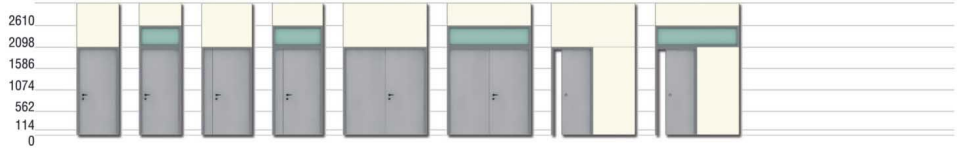
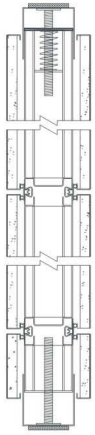
Modules:solid-glazed
Axes(mm):200/500/1000/1200

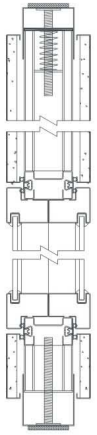


Modules: steel door
Axes(mm):1000/1200/2000

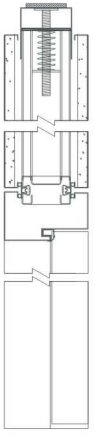




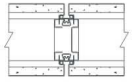
Steel panel



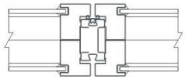
Steel panel combine with glass panel



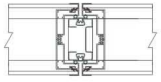
Steel door frame



Steel panel



Steel window frame



Aluminum window frame

Mudule surface suggestion:
Fire-resistance Steel panel;
Glass window with steel frame;
Decorative Gypsum panel;

Surface option:
Decorative panel frame;
Glass window with aluminum frame.

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Planika steel partition
(steel panel type)
Fire-resistamce perfor-
mance: 120min
Apply to Commercial
Public Area, Fire walkway,
Airport ,Metre,ect.

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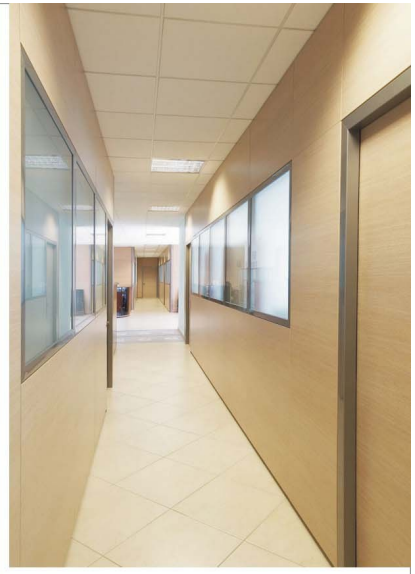

Planika steel partition (wood panel type)
Apply to Office Building, Industry Construction Building,ect.

Planika fire-resistance steel panel partition and Glass window is applied to business office building and bank，etc.