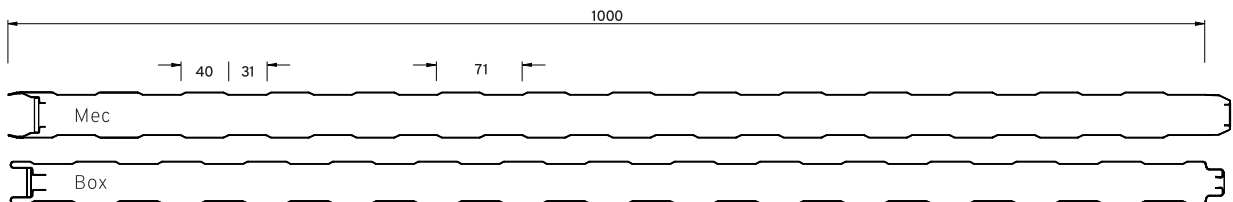


MEC | BOX

MEC|BOX wall panels have an insulation made of rigid polyurethane foam and are used for facades of industrial and commercial buildings.



Standard cover width: 1.000 mm | Standard lengths: 2.000 mm - 13.500 mm | Other lengths available upon request

The solid wall for office and hall construction

Description

The self-supporting Mec|Box wall panel is has an insulating core made of rigid polyurethane foam (CFC- and HCFC-free) and two metallic cover shells.

Mec|Box is a sandwich panel with visible fastening for external cladding of industrial and commercial buildings and for internal partition walls.

Technical specifications

Mec|Box complies with the European sandwich standard EN ISO 14509:2013 - Self-supporting sandwich panels with metal face sheets on both sides.

Approval for use | Approval Z-10.49-542

Profiling



Technical data

Panel thickness [mm]	Weight [kg/m ²]	Facings external/internal [mm]	Thermal transmittance U [W/m ² K] (Joint factor Ψ)		Reaction to fire	Airborne sound insulation R _w
			U without Ψ	U with Ψ		
30	9,82	0,50 / 0,50	0,73	0,90	B-s2,d0	25 dB*
40	10,24	0,50 / 0,50	0,55	0,64		
50	10,65	0,50 / 0,50	0,45	0,50		
60	11,07	0,50 / 0,50	0,37	0,40		
80	11,90	0,50 / 0,50	0,28	0,30		
100	12,73	0,50 / 0,50	0,23	0,23		
120	13,56	0,50 / 0,50	0,19	0,19		
150	14,80	0,50 / 0,50	0,15	0,15		

* in accordance with IFBS, professional rules for lightweight metal construction, GL

Characteristics and application

Mec|Box has excellent thermal insulation and high building material class according to DIN EN 13501-1.

Mec|Box wall panels have a insulation made of rigid polyurethane foam and are ideally suited for use as walls of industrial and commercial buildings.

We use S350GD + Z275 galvanized steel sheet as the covering shells. As standard, we offer the covering shells with a polyester coating (25 μ m PE). Other coatings are available on request and taking into account the area of application.

Mec|Box panels are suitable for horizontal and vertical wall installation.

An overview of all possible profiles can be found on page 22 in the appendix.

Joint detail

