

**PRODUCT DATA SHEET**

REX SDW **WALL HF 1000 MW**



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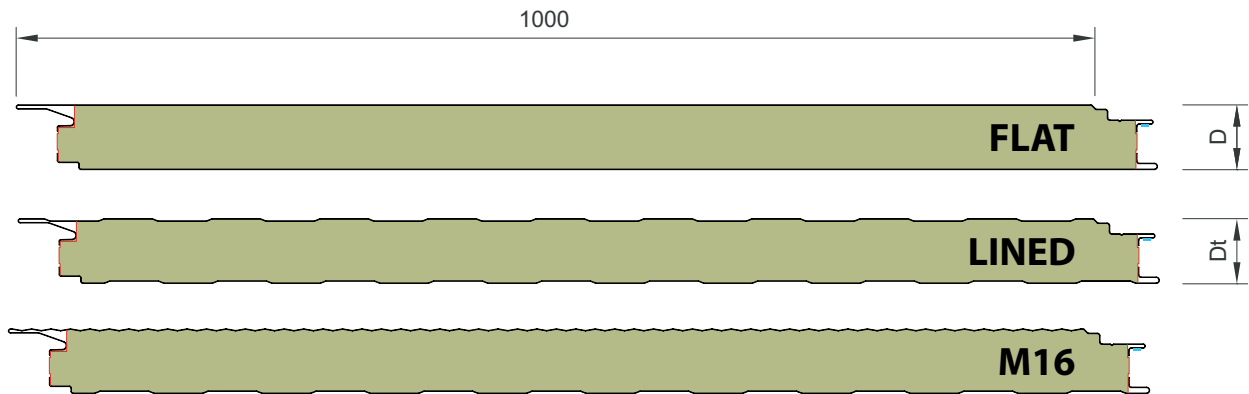
## REX SDW WALL HF 1000 MW

### APPLICATIONS

The REX SDW WALL HF 1000 MW sandwich panel is the most suitable for façades where high demands apply on fire resistance without compromising on aesthetics. With its blind fixation and mineral fibre core material, the best of two worlds is combined.



### SECTION



### PROPERTIES

Thickness [D]	Overall Thickness [Dt]	Weight	U-value
[mm]	[mm]	[kg/m <sup>2</sup> ]	[W/m <sup>2</sup> .k]
50	54	15,6	0,96
60	64	16,6	0,78
80	84	18,6	0,55
100	104	20,6	0,44
120	124	22,6	0,36
150	154	25,6	0,29
180	184	28,6	0,24
200	204	30,6	0,22

The mentioned insulation values in this table are based on calculations according NEN-EN14509:2013

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### Fire

Property	Standard	Certification Standard	Result*	Field of application
<b>Reaction to Fire</b>	EN ISO 11925-2:2010 ignitability	EN 13501-1:2007 Fire classification of construction products and building elements - Part 1	A2-S1-D0	All thicknesses
	EN 13501-1:2017 reaction to fire			
<b>Fire resistance</b>	EN1365-2: determining the fire resistance of roof constructions	EN 13501-2:2007	EI30	> 80 mm thickness
		Fire classification of construction products and building elements - Part 2	EI60	> 100 mm thickness
			EI90	> 120 mm thickness
			EI120	> 150 mm thickness

\*European fire tests project running, certification on request



### Environmental

For further information on environmental issues please contact the sales department of REX Panels & Profiles.

### Air Leakage

When correctly installed the air leakage of the REX SDW WALL HF 1000 MW sandwich panels is approx. 2,7 m<sup>3</sup>/hour/m<sup>2</sup> @ 50 pa. Under normal environmental conditions this is tight enough to prevent condensation or unacceptable air leakage. If necessary (i.e. coldstore applications) the airtightness can be improved by gun applied sealing the panel to panel joints using silicon mastic.

### Acoustic

Indicative octave band sound Insulation Index (R) in [dB] / [Hz]							
63	125	250	500	1000	2000	4000	8000
-	17	20	30	21	39	51	56
Sandwich MW panels have a weighted sound reduction of approx. <b>30 dB(A)</b> (depending on thickness, example at 100 mm thickness)							

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## MEASUREMENTS

### Available lengths

Standard lengths	2500 to 13600 mm
Longer lengths*	13600 to 15000 mm
Shorter lengths*	Below 2500 mm

*\*Non-standard lengths are available on request and subjected to a surcharge*

### Orientation

Sandwich WALL HF MW panels can be mounted both horizontally and vertically. Vertically both from left to right or from right to left. Horizontally, practically, only from the bottom up.

### Tolerances

Length	L ≤ 3000 mm	-5 mm	+5 mm
	L ≥ 3000 mm	-10 mm	+10 mm
Thickness	D ≤ 100 mm	-2 mm	+2 mm
	D ≥ 100 mm	-2%D	+2%D
Cover width		-2 mm	+2 mm
Squareness		-6 mm	+6 mm

*Other product- and materialtolerances according EN14509:2013*

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## MATERIALS

### Core material

The REX SDW WALL HF 1000 MW sandwich panels are produced with a mineral wool (MW) core material with a density of 100 kg/m<sup>3</sup>.

### External sheet

The profiled external sheet is standard available in the following materials and coating systems:

Coating*	Steel	Thicknesses**	
		0,63	0,75
Polyester 25 mu	Galvanised Steel quality S280 GD or better	■	■
Plastisol 200 mu		■	■
REX PUR 60 mu		■	■

\*Available colors according standard colorchart which is available on request ■ = standard available

\*\*Other coatings / thicknesses on request available

### Internal sheet

The internal sheet is standard available in the following materials:

Coating*	Steel	Thickness**
		0,5
Polyester IC 15 mu	Galvanised Steel quality S250 GD or better	■
Polyester 25 mu		■
Foodsafe 150 mu		■
Colorfarm 35 mu		■

\*Available colors according standard colorchart which is available on request ■ = standard available

\*\*Other coatings / thicknesses on request available



### QUALITY AND GUARANTEE

#### Quality

The REX SDW WALL HF 1000 MW product is CE marked according EN14509:2013. The quality of our products is under FPC (Factory Production Control) continuously monitored in our own testlaboratory. These procedures are secured under ISO9001.

#### Certification

The REX SDW WALL HF 1000 MW panels can be supplied including the following certificates / quality marks:



#### Guarantee

All products from REX Panels & Profiles come with a standard 10-year product warranty. An extended warranty is available on request under certain conditions. Some coating systems offer an additional (longer) guarantee on the durability of the external and / or internal sheet. For more information or the warranty conditions you can consult the website or contact our sales department.

### PACKAGING AND TRANSPORT

#### Packaging

The REX SDW WALL HF 1000 MW sandwich panels are stacked interleaved on OSB boards and PS blocks and fully wrapped in foil to create solid and manageable bundles. On request the panels can be stacked with all profiled external sheets up or down.

	Number of panels per pack							
Core thickness	50	60	80	100	120	150	180	200
Stacked crowns up or down	22	18	12	10	9	7	6	5

#### Transport

All deliveries are made via standard road transport to the construction site (maximum standard length 13600 mm). The trucks must be unloaded by the customer with suitable lifting equipment. Transport of longer lengths (up to 15000 mm) and / or self-unloaders is also possible on request.



**LOCATION 1**

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