

Building Systems UK

Tata Steel Construction Solutions



Steel faced roof and wall panel systems with a mineral wool core

Building Systems UK has been a leading manufacturer and supplier of sustainable construction products in the UK for almost 70 years. We are now able to offer our mineral wool panel systems from Tata Steel Europe, manufactured in Germany and known as FischerFIREPROOF® - with outstanding fire and thermal performance for use in the UK construction sector.

Confidex® offers the most comprehensive guarantee for pre-finished steel products in Europe and provides peace of mind for up to 40 years. Unlike other guarantees Confidex® covers factory cut edges for the entirety of the guarantee period and does not require any inspections or maintenance to validate the guarantee, except when Colorcoat HPS200 Ultra® and Colorcoat Prisma® is used on a roof and wall that has a photovoltaic (PV) installation.



Benefits of the steel faced roof and wall mineral wool panel systems



Highly durable



Quick installation



Excellent fire resistance



Thermally efficient



Full traceability



Excellent weatherability



Robust guarantee



PV installation ready

Steel faced architectural secret fix wall panel system with a mineral wool core

MW Plus

MW Plus with secret fix fastening provides a clear external finish and enables reuse.

The panel system consists of two pre-finished steel sheets and a high-density mineral wool core. Depending on the application and required thermal insulation, panel thicknesses are available from 80 to 300 mm.

The standard panel width is 1000 mm, with additional widths available upon request. Colorcoat Prisma® and Colorcoat HPS200 Ultra® finishes are available.

Figure 1 - MW Plus panel

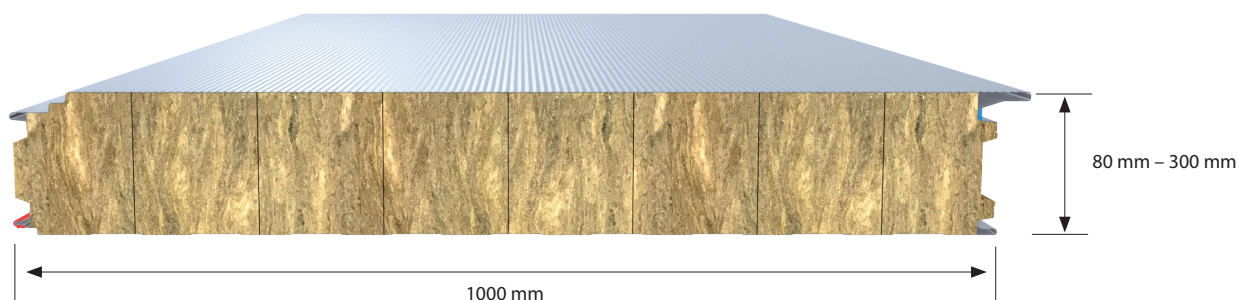


Table 1 - Available thicknesses and U-values

Panel thicknesses	80	100	120	150	172	200	240	300
U-values	0.55	0.43	0.36	0.29	0.25	0.22	0.18	0.14

Fire performance

MW Plus panel systems are classified A2-s1,d0 according to the European Reaction to Fire classification system (Euroclasses) BS EN 13501-1 when tested on the internal face of the product.

Tata Steel have a library of fire resistance test evidence in accordance with BS EN 1364-1 and classifications in accordance with EN 13501-2. Design options for the application of MW Plus panel systems are considerable, therefore to obtain the correct specification to meet your project needs please [contact our technical department](#).

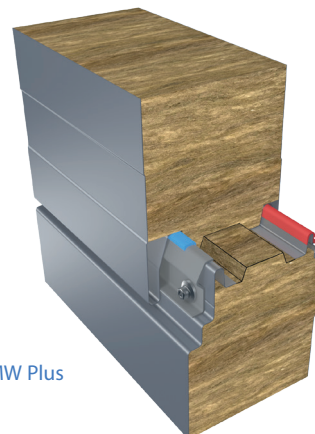


Figure 2 - MW Plus joint detail

Steel faced through fix wall panel system with a mineral wool core

MW

MW with through fix fastening.

The panel system consists of two pre-finished steel sheets and a high-density mineral wool core. Depending on the application and desired thermal insulation, panel thicknesses from 60 to 300 mm are available.

The standard panel width is 1100 mm, with other widths available upon request. Colorcoat Prisma® and Colorcoat HPS200 Ultra® finishes are available.

Figure 3 - MW panel

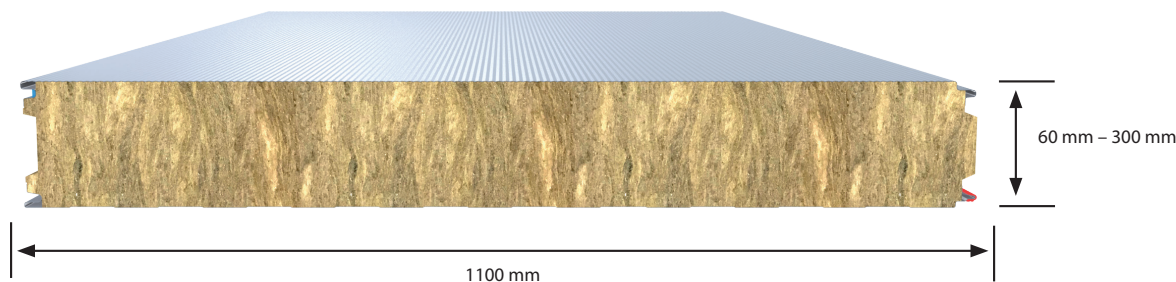


Table 2 - Available thicknesses and U-values

Panel thicknesses	60	80	100	120	150	172	200	240	300
U-values	0.70	0.52	0.42	0.35	0.28	0.25	0.21	0.18	0.14

Fire performance

MW panel systems are classified A2-s1,d0 according to the European Reaction to Fire classification system (Euroclasses) BS EN 13501-1 when tested on the internal face of the product.

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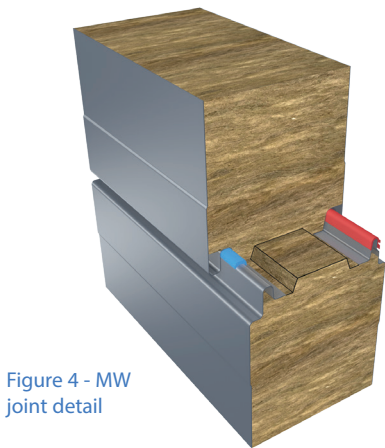


Figure 4 - MW joint detail

Steel faced trapezoidal roof and wall panel systems with a mineral wool core

MW D

MW D trapezoidal roof and wall panel.

The panel system consists of two pre-finished steel sheets and a high-density mineral wool core. Depending on the application and required thermal insulation, panel thicknesses from 100 to 280 mm (core thickness 60 to 240 mm) are available.

The standard panel width is 1000 mm. Colorcoat Prisma® and Colorcoat HPS200 Ultra® finishes are available.

Figure 5 - MW D panel

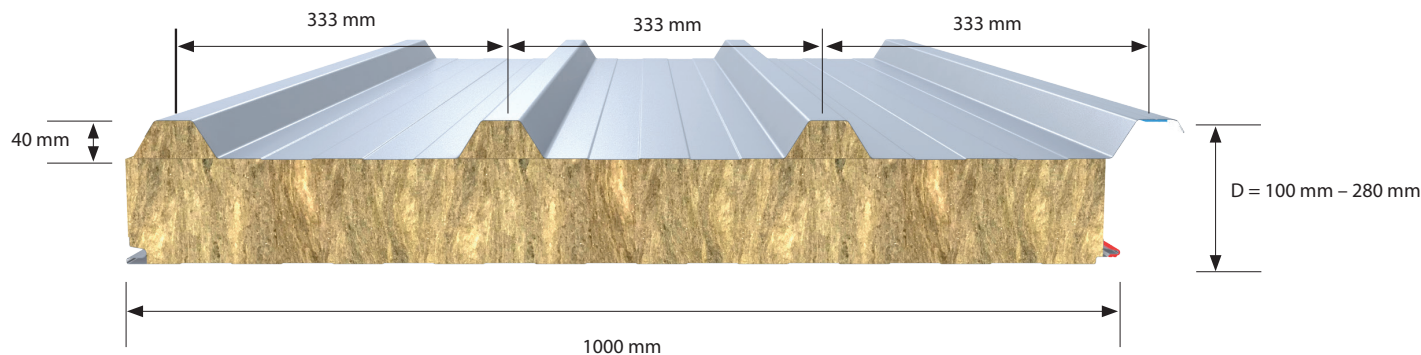


Table 3 - Available thicknesses and U-values

Panel thicknesses (D)	100	120	140	160	190	212	240	280
U-values	0.65	0.50	0.40	0.34	0.28	0.24	0.21	0.18

PV Ready

MW D can be used under Photo Voltaic (PV) frame modules with no reduction in guarantee length ensuring all parts of the roof are covered for the same duration of the Confidex® Guarantee. For further information please [contact our technical department](#).

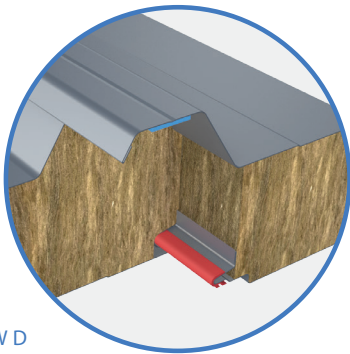


Figure 6 - MW D joint detail

Profile information

Options available for the facing sheets

A wide range of profiles are available to meet architectural project requirements and expand your design possibilities. This ensures that all your project's individual specifications can be met with confidence.

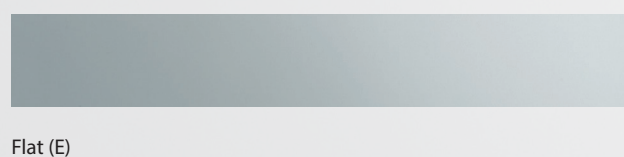
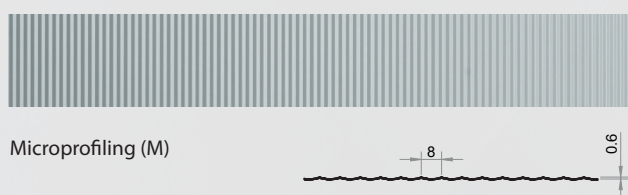
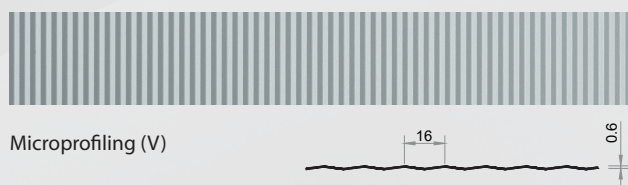
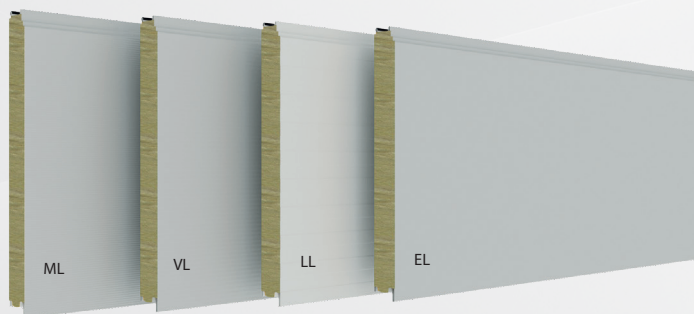
MW & MW Plus

Outer pre-finished steel sheet

Microprofiling (V)
Microprofiling (M)
Profiling (L)
Flat (E)

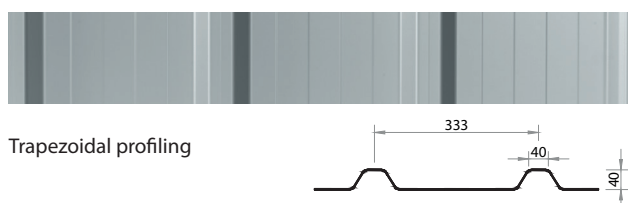
Inner pre-finished steel sheet

Profiling (L)
Flat (E)

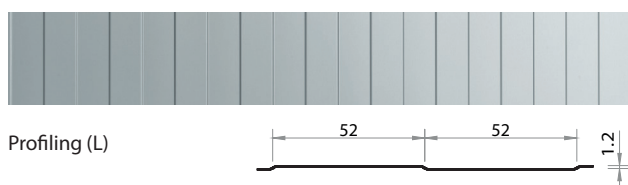


MW D

Outer pre-finished steel sheet



Inner pre-finished steel sheet



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