PANELS

100 mm Rock Wool Sandwich Panel

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A fire-resistance report for a 100 mm metal-faced rock wool wall assembly without an MgO or gypsum board lining in the reported drawing.

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Recorded Results

Fire resistance under reported test conditions	180 min
Integrity	180 min: no flame on unexposed face; cotton pad did not ignite; gap-gauge test not performed.
Insulation	At 180 min, mean unexposed-face temperature rise 37 °C; maximum rise 89 °C.
Deflection at geometric centre	+16 mm at 180 min (positive towards fire-exposed face)

Sample and Test Conditions

Four specimens, each 3000 x 1000 x 100 mm; vertical, non-loadbearing assembly with a 3000 x 3000 mm exposed area and restrained perimeter.

Drawing: 0.5 mm prepainted steel facings and 100 kg/m³ rock wool; no MgO board layer is shown. Joints, seam covers and fixing follow the report.

Scope of This Document

The 180-minute result applies to the reported 100 mm vertical assembly, including its joints, fixings and edge restraint.

Read the complete Chinese document for the original tables, drawings, seals and stated conditions.