PANELS

100 mm Double MgO-Lined Rock Wool Panel

金属面双面玻镁岩棉夹芯板

A fire-resistance report for a 100 mm metal-faced rock wool wall assembly with MgO board linings on both sides.

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Tested thickness	100 mm
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Standards	GB/T 9978.1-2008; GB/T 9978.8-2008
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Issuing organization	应急管理部四川消防研究所（SCFRI）／国家防火建筑材料质量检验检测中心（NFTC）

Recorded Results

Fire resistance under reported test conditions	240 min
Integrity	240 min: no flame on unexposed face; cotton pad did not ignite; gap-gauge test not performed.
Insulation	At 240 min, mean unexposed-face temperature rise 61 °C; maximum rise 76 °C.
Deflection at geometric centre	+33 mm at 240 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.

Build-up shown: 0.5 mm steel / 5 mm MgO / 89 mm rock wool (100 kg/m³) / 5 mm MgO / 0.5 mm steel. Joints, fixing and edge restraint follow the report drawing.

Scope of This Document

Assembly-specific fire result under the listed GB/T methods and reported installation conditions. The result is not relabelled as an EN EI classification.

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