PANELS

100 mm Double Gypsum-Lined Rock Wool Panel

手工双面石膏岩棉彩钢板

A commissioned test report covering a 100 mm handmade rock wool panel with gypsum board layers on both sides, including listed material properties and fire resistance.

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Tested thickness	100 mm
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Standards	GB/T 25975-2018; GB/T 9978.1-2008
Applicant / holder	浙江艾绿净化科技有限公司
Issuing organization	广东省宝通质量检测有限公司

Recorded Results

Fire resistance under reported test conditions	240 min
Panel thickness	100 mm
Prepainted steel facing thickness	0.5 mm
Gypsum board layer thickness	9.5 mm upper layer; 9.5 mm lower layer
Density (as labelled in report)	120 kg/m³
Thermal conductivity	0.029 W/(m·K)
Tensile strength	69 kPa

Sample and Test Conditions

Three client-submitted specimens. Each steel facing is 0.5 mm; the upper and lower gypsum-board layers are each 9.5 mm.

At 240 min, mean unexposed-face temperature rise was 96 °C and maximum rise was 104 °C.

Density and thermal-conductivity values retain the source table labels; no unsupported whole-panel or core-only interpretation is added.

Scope of This Document

Results describe the submitted 100 mm double-gypsum construction. They do not establish the performance of a 50 mm panel or an MgO-lined construction.

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