PANELS

100 mm Single MgO-Lined Rock Wool Panel

单玻镁岩棉板

A commissioned test report covering a 100 mm single glass-magnesium (MgO) and rock wool panel, including listed material properties and fire-resistance results.

Document number	GBTG100571122
Tested thickness	100 mm
Issue date	2025-09-05
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	180 min
Panel thickness	100 mm
Prepainted steel facing thickness	0.5 mm
MgO board layer thickness	5 mm
Density (as labelled in report)	120 kg/m³
Thermal conductivity	0.038 W/(m·K)
Tensile strength	65 kPa

Sample and Test Conditions

Three client-submitted specimens. The reported layers include 0.5 mm prepainted steel facing and a 5 mm MgO board layer.

At 180 min, mean unexposed-face temperature rise was 89 °C and maximum rise was 97 °C.

Density and thermal-conductivity values are transcribed using the original table labels; the table does not separately identify them as core-only or whole-panel values.

Scope of This Document

Results describe the submitted 100 mm construction. They do not establish the performance of a 50 mm panel or another build-up.

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