PANELS

50 mm Single Gypsum-Lined Rock Wool Panel

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A commissioned report covering a 50 mm handmade rock wool panel with a single 12 mm gypsum board lining and 0.5 mm color-coated steel facings.

Document number	GBT312748723
Tested thickness	50 mm
Issue date	2025-10-21
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 integrity and insulation	90 min
Panel thickness	50 mm
Steel facing thickness	0.5 mm
Gypsum lining thickness	12 mm
Reported density	120 kg/m³
Thermal conductivity	0.036 W/(m·K)
Tensile strength	67 kPa

Sample and Test Conditions

Three client-submitted specimens. Testing: 9-21 October 2025.

At 90 min, mean unexposed-face temperature rise was 86 °C and maximum rise was 90 °C.

The report does not include a complete assembly drawing. The density field is retained as reported, without adding a core-only or whole-panel interpretation.

Scope of This Document

This report covers a single gypsum lining with rock wool. It is distinct from a double-gypsum, MgO-lined or paper-honeycomb construction.

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