PANELS

50 mm Composite-Core Fire-Resistant Sandwich Panel

金属面防火夹芯板

A fire-resistance report for the stated 50 mm metal-faced sandwich wall construction. The tested vertical assembly maintained fire integrity and insulation for 60 minutes.

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Tested thickness	50 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 integrity	60 min
Fire insulation	60 min
Mean unexposed-face temperature rise	64 °C at 60 min
Maximum unexposed-face temperature rise	92 °C at 60 min

Sample and Test Conditions

Drawing: 0.5 mm color-coated steel facings and a composite fire-resistant board core with reported density 220 kg/m³. The drawing lists glass-magnesium, magnesium oxide, magnesium oxysulfate, perlite, EPS particles and glass-fibre mesh among its ingredients.

Four client-supplied specimens, each 3000 x 1000 x 50 mm; vertical assembly with a 3000 x 3000 mm exposed area, perimeter restraint and joints fixed as shown in the report.

Scope of This Document

The results apply to the tested construction, joints and fixing arrangement under the stated GB/T methods. Fire-resistance duration is distinct from reaction-to-fire classification.

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