
Flexoclad Ecoflex - Fireproof Certification

Tested & Certified

- **Testing Authority:** Building Materials Inspection & Certification Group
- **Sample:** Flexible Stone
- **Certification Date:** December 2022
- **Standards Applied:**
 - JC/T 2219-2014 (Modified Inorganic Powder)
 - GB 8624-2012 (Combustion Performance Classification)

Fire Safety – A1 Non-Combustible

- **Classification:** A1 (Highest fire safety rating)
- **Results:**
 - Furnace temperature rise: **26.1°C** (≤30°C required)
 - Mass loss rate: **9.3%** (≤50% required)
 - Burning time: **0 sec** (no continued burning)
 - Heat value: **0.67 MJ/kg** (≤2.0 required)

Flexoclad panels are **completely non-combustible**, ensuring maximum safety for modern buildings.

Performance Highlights

1. **Appearance** – No cracks, bubbles, or colour issues
2. **Water Resistance** – No swelling or powdering
3. **Freeze Resistance** – No cracks after freezing tests
4. **Heat Resistance** – Dimensional change only 0.3% (within standard)
5. **Aging Resistance** – Withstands 4000h UV/aging test with no damage
6. **Flexibility** – No cracks or breaks
7. **Stain Resistance** – Passed with Grade 1 performance
8. **Chemical Resistance** – Resistant to acid & alkali
9. **Fireproof** – Achieved **A1 certification**

Why Flexoclad?

- **Safe** – Highest fire safety classification (A1)
- **Durable** – Resistant to weather, heat, stains, and chemicals
- **Flexible** – Maintains strength without cracking in installed environment - if handled incorrectly, can show surface cracks

-
- **Certified** – Tested and approved by a leading global authority

Applications

- Exterior cladding for residential and commercial buildings
- Interior feature walls and decorative surfaces
- High-safety projects: hotels, retail, public buildings, hospitals, schools

The certified solution for architects, developers, and interior designers who demand performance without compromise.

Flexoclاد