

FLEXIBLE STONE WALL PANELS

Ultra-thin natural stone veneer · Interior & exterior wall finishes

Ecolux Flexible Stone is an ultra-thin, lightweight stone veneer sheet (MCM — modified clay material with natural mineral surface) that delivers the look and texture of natural stone at a fraction of the weight and thickness. Sheets flex to follow curved surfaces and columns, bond directly to prepared substrates with flexible tile adhesive, and cut cleanly with a circular saw or angle grinder. Ideal for feature walls, media walls, façades, fireplaces, retail fit-outs and curved architectural elements where full-thickness stone is impractical.

AVAILABLE SIZES

Sheet Size (mm)	Coverage per Sheet	Nominal Thickness	Approx. Weight
1200 × 600	0.72 m ²	2 – 3 mm	≈ 2.5 kg / m ²
2400 × 600	1.44 m ²	2 – 3 mm	≈ 2.5 kg / m ²
2400 × 1200	2.88 m ²	2 – 3 mm	≈ 2.5 kg / m ²
2800 × 1200	3.36 m ²	2 – 3 mm	≈ 2.5 kg / m ²
3000 × 1200	3.60 m ²	2 – 3 mm	≈ 2.5 kg / m ²

Custom sizes and cut-to-order sheets available on request. Sheets can be trimmed on site with a circular saw or angle grinder.

TECHNICAL SPECIFICATIONS

Material	Modified clay material (MCM) with natural mineral / stone-powder surface
Thickness	2 – 3 mm nominal
Weight	Approx. 2.5 kg/m ² (vs 40 – 70 kg/m ² for natural stone cladding)
Flexibility	Conforms to curved surfaces and columns (min. radius approx. 300 mm)
Fire performance	Non-combustible mineral composition — certification available on request
Water resistance	Suitable for interior and covered exterior use; seal for wet areas
UV stability	UV-stable pigments suitable for exterior application
Substrates	Plasterboard, cement sheet, rendered masonry, MDF/ply, existing tile
Fixing method	Full-coverage flexible tile adhesive (C2S class) — no mechanical fixings
Cutting	Circular saw, angle grinder or heavy-duty shears
Service temperature	–20 °C to +80 °C

APPLICATIONS

- Feature walls & TV media walls
- Fireplaces & chimney breasts
- Kitchen splashback surrounds
- Curved walls, columns & bulkheads
- Retail, hospitality & office fit-outs
- Façades & covered outdoor areas

KEY BENEFITS

- Real stone finish at ~5% of the weight
- Installs directly over existing surfaces
- No structural reinforcement required
- Flexes around curves — no mitre joints
- Fast install: adhesive-fix, no wet trade
- Low-waste sheets, easy on-site cutting

INSTALLATION SUMMARY

1. Ensure substrate is clean, dry, flat and free of dust or loose material. 2. Apply flexible tile adhesive with a 6 mm notched trowel to full sheet coverage. 3. Position sheet, press from centre outwards and roll to remove air. 4. Trim edges with circular saw or grinder; butt-join or feature-gap as designed. 5. Seal with penetrating stone sealer in wet or exterior areas. Full installation guide available at ecoluxinteriors.com.au