

## Stone Surfacing for Exterior Applications

**Description**

FlowStone™ is a thermal set 2 part UV stable polyurethane resin blended with a design mix of aggregates (typically 1/4" to 3/8") to create a continuous flexible stone surfacing system.

**Uses**

FlowStone™ is ideal for urban tree pits, pedestrians and light vehicular use on footpaths, courtyards and anywhere permeability is required.

**Suitable Surfaces**

FlowStone™ is designed to overlay well compacted free draining soils and aggregates, as well as on concrete or asphalt substrates. Also available as a fully permeable surface over a crushed rock base.

Refer to Overlay of Asphalt and Concrete Specification Advice Sheets for more detail.

**Safety**

Refer to Material Safety Data Sheet. Wear gloves, goggles, overalls and safety footwear.

**Surface Preparation**

All areas shall be well constructed layers of free draining material to local design specifications.

All new concrete substrates must cure 28 days minimum and be primed with Rockseal Concrete Primer.

**Mixing**

Blend bagged aggregate in cement mixer. Mix Part A and B resin separately with electric drill and paddle. Combine, dispense to wheelbarrow, trowel apply on site.

**Storage**

Store resins and aggregates clean and dry. Refer to use-by date on kit.

**Application**

FlowStone™ is hand trowel applied by trained and accredited applicators. Dispense mixed material. Rake and trowel compact to even consistency and level.

Wipe trowel clean regularly. Dust with glass for anti-slip finishes. Repeat to completion. Do not walk on until tack free. No vehicle traffic for 3 days.

**Clean Up**

White spirits is used for clean up.

**Coverage Depth**

Depth	Approx Coverage
3/4"	30 sq. ft / kit
1"	20 sq. ft / kit
1-1/2"	14 sq. ft / kit

Figures may vary depending on stone choice

### Technical Data

**Standard Pack Size**

200 lb kit of Resin and Aggregate

**Cure Time**

Standard Grade 3–5 hrs @ 70°F

**Application Conditions**

- Ground temperature 40–110°F
- No rain, showers or ambient humidity above 90%
- Not beyond Dew Point (refer to dew point calculator)
- No damp or wet surfaces

**Performance Properties**

Tensile Strength: 80 Kn/m

(When used with Fibregrid)

UV Stability: 60° gloss > 90% @ 5yr

(ASTM D523 Florida Gloss Retention)

Permeability: 40–80 in/min

(AS/NZS 4456.16:1997)

Typical Compressive Strength:

FlowStone @ 1-1/4" >1300Kn >3625 psi

**Fire Rating**

ASISO 9239.1-2003 — CHF ≥ 11 kW/m<sup>2</sup> | Smoke Value 5% min

Tested by NATA accredited laboratory per BSEN 13238-2001.