

BOTANICRETE

Product Description

Botanicrete is a unique blend of white cement, calcium carbonate aggregates and natural aqueous resin extract containing saponins, polyphenols, tannins and carbohydrates. It has excellent water-resistant properties making it suitable for both interior and exterior applications. The natural properties of the resin give Botanicrete a distinctive aesthetic. Botanicrete contains no VOCs, synthetic additives, chemicals or biocides and is compostable and biodegradable. It's durability and water-resistant properties make it suitable for a seamless indoor-outdoor application.

Botanicrete is available in kit format with a 20L drum of resin and 3 bags of premixed dry powder.

Performance qualities

- Highly durable and water-resistant
- 100% VOC-free product, containing no harmful additives
- Non-combustible – tested to clause 3.4 of AS1530.1-1994 (certificate available)
- High, natural resistance to mould growth.
- Resistant to cracking
- Can be applied in one day, depending on area size.

Uses

- Suitable for internal and external use on vertical wall surfaces.
- New build concrete pools are possible with correct substrate preparation. Please contact Mineral Fox for a specification.
- Suitable for use on and around fireplaces and heaters (refer to the Mineral Fox systems guide for preparation)

Typical product data

(At 25 degrees Celsius and 50% Relative Humidity)

- Coverage: Approximately 12 sqm / kit at 4mm application thickness
- Drying/Curing:
 - Internal application - Initial set approximately 40 mins to 2 hours per coat dependant on atmospheric conditions.
 - External application - Initial set approximately 30 mins to 1 hour per coat dependant on weather conditions.
 - Initial curing occurs within 24 hours.
- Application Method: Trowel
- Application Thickness:
 - Botanicrete should be applied to a total thickness of at least 4mm (internal) to a maximum of 6mm (external).
 - For external applications a sand-cement basecoat of at least 8mm is recommended over cement block (14-16mm total thickness of basecoat and Botanicrete combined) or polymer-modified render basecoat of at least 4mm (10mm total thickness of basecoat and Botanicrete combined).
- Colour:
 - Powder - Beige
 - Resin - Dark purple
 - Finished material appears beige in colour. . A range of 9 standard colours available.
- Packaging: 20KG paper sacks and 20L plastic drums.
- Clean-up: Clean with water

Application

INTERNAL

- Apply 2–3mm of Mineral Fox polymer-modified basecoat with a trowel with mesh.
- Allow to cure – usually 3–4 hours dependant on internal air temperature and humidity.
- Dilute Mineral Fox Bond 4:1 (4 parts water: 1 part bond), mix and roll onto basecoat. Allow to dry completely (up to 24 hours).
- Shake resin drum well and pour 4L into a clean bucket and slowly add 1 bag of dry powder. Add additional resin and continue to mix to get to a smooth putty-like consistency (approx. 5L resin: 1 bag powder).
- Apply a 2–3 mm coat of Botanicrete with a trowel and finish flat.
- When 'green' sponge the first coat flat using a render sponge and resin.
- Apply a 1–2 mm topcoat.
- Polish smooth by misting the final coat with resin and trowelling to close the surface.

EXTERNAL

- On block surfaces either apply 8–10mm of sand-cement render and leave a flat, open surface (by screeding open or using a wooden float) for the Botanicrete to 'hook' into. Alternatively apply a polymer-modified basecoat (see the Mineral Fox Systems Guide) at least 4mm thick and finish flat and open.
- When cured, apply Mineral Fox render bond diluted 4:1 (4 parts water: 1 part bond), mix and roll onto basecoat. Allow to dry completely (up to 24 hours).
- Apply as per internal specification. But protect work from sun and weather for at least 24 hours.
- Continue to mist the surface with water or resin and polish with a trowel over the course of a day. Continue to hydrate for at least 48 hours.

Precautions and limitations

- Should not be applied in temperatures below 3 degrees Celsius or above 35 degrees Celsius. Avoid application in extremely windy conditions.
- Shake resin drum well before mixing with powder to ensure thorough dispersion of resin in the liquid.
- Strain resin through shade cloth to remove any natural solids present (optional).
- Exterior application – cover area with a tarpaulin and protect from sun, rain and wind during application and for the first 24 hours.
- Exterior application – keep the material hydrated with a light mist and regular trowelling for the first 12 hours.

Substrates

- Substrates must be clean and free of dirt, dust, grease or any other contamination.
- Internal – Botanicrete is suitable over cement sheeting, cement block or brick.
- External – Botanicrete is suitable over cement block and brick.
- For other substrates please contact Mineral Fox – hello@mineralfox.com.au

Transport, storage and handling

- Botanicrete must be kept dry during transport and storage.
- Store bags off the ground and in a cool, dry place.
- Shelf life of 12 months for dry, unopened bags.
- Use adequate PPE when mixing and applying.

Disclaimer

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