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TERRAFLAKE – fast curing Rapidfloor interior option

Decorative Flooring with Flake Finish – Seamless, safe & waterproof.

GENERIC TYPE

Fast curing one-day Rapidfloor MMA resin bonded coloured plastic chips, encapsulated within a durable resin topcoat.

**TYPICAL PROPERTIES/
FEATURES**

Key feature: Rapid, fast cure, installation system.

- Terraflake is a decorative, tough, durable, seamless floor coating system, designed for interior application to residential and light commercial areas.
- Good abrasion resistance.
- Easily cleaned.
- Revtred anti-slip addition option. **NB:** Terraflake will only meet the slip requirements of AS/NZS3661.1 (wet areas) if the Revtred is added at the specified amount.
- Moderate chemical resistance.
- Fully bonded to concrete.
- Follows contours of upstands and coves.
- Minimum application temperature 0°C.
- Finish is matt / semigloss.
- Colour – available in 20 standard colour combinations and coarse, fine or micro blends.
- **Also** available in plain colours (36) to blend any colour combination – only limited by your imagination. Black basecoat available.



SUGGESTED USES:

- As an applied coating to concrete, plaster, fibre cement sheeting, and plywood substrates.
- Ablution blocks and service areas.
- Sportsrooms, changing rooms, wet areas
- Dairy sheds, factories and food proc, processing areas (MAF approved).
- Carports etc.
- Showrooms, foyers.. Display areas
- Shops, offices, schools, cafeterias.
- Also as wall finishes to hygiene areas.

LIMITATIONS:

- Heavy industrial wear areas. – use Decorative Terrazzite
- Areas subjected to severe chemical attack – use Sureshield
- Application over existing coatings – grind off
- Application to unstable substrates.
- Microflake is best applied in a tile pattern as large areas (without a pattern) may appear uneven.

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APPLICATION METHOD:

Terraflake is a multi-coat applied system.

a) Substrate Preparation

Concrete: Acid etch, coarse diamond grind or shotblast to achieve a surface profile. The surface must be clean and free from all oils etc. Fill any holes with a slurry of the Rapidfloor resin.

Plywood: The plywood should be flooring grade and screw fixed. Sand the surface with 80 grit paper. Fill holes with resin. Any joints should be Rapidfloor resin bonded using 450gsm CSM fibreglass in a 145mm wide strip.

b) Application System

Mix the Bodycoat and topcoat as per the Rapidfloor datasheet using Rapidfloor catalyst. Refer to this that document before proceeding.

Mix Rapidshield bodycoat with the 2kg White Tint pack. Mix thoroughly, then add catalyst. Apply the Rapidfloor bodycoat WHITE, by brush or roller, to the prepared surface. Allow to cure; 30-90mins. Apply the second coat and whilst wet, apply the flakes. Apply the flakes into the air and allow them to fall evenly. The area must be 100% covered with flakes Ensure the surface remains wet to receive the flakes by the use of a water mister.

If making a tile pattern, it is best to tint the basecoat to the "grout-line" tone. Once cured apply masking tape on the first basecoat. These masking lines will form the "grout-line". Apply the second coat (also tinted) and flakes in the normal way.

Flakes may be applied by hand, spreader or compressed air. Micro flake is best applied in a tile pattern. The incorporation of some fine flake into the micro flake may alleviate some patchiness which sometimes develops. CARE: The flakes MUST be bonded into WET resin for full adhesion.

Allow the flake coats to cure and gently rub with a hand-stone to smooth. Sweep and vacuum.

Topcoat: Apply mixed Rapidfloor topcoat clear to the prepared flakes with a roller. Apply evenly. Add a fine sprinkle of Revtrud glass beads for non-slip into the wet resin, if required.

Finish: semigloss, mat finish

COVERAGE RATES:

Rapidfloor Bodycoat

1st coat 2m² /litre

2nd coat 2m² /litre

Flakes: 0.5kgs/m² (10sqm / 5kg box)

Microflakes: 1.0kgs/m²

Revtrud: 12 grams/m² - optional

Rapidfloor Topcoat 1coat @ 3m²/litre/

FILM BUILD:

1mm approx

DRY TIMES:

1st Basecoat (touch): 1 hours

2nd Basecoat (Recoat and flake): 1hours

Topcoat application (over flaked basecoat): 2hours

Full system: 4 -5 hours depending on job size.

CLEAN UP:

Solvent HA

CAUTION:

- Rapidfloor has a strong smell for a short period, 1-2 hrs
- Provide adequate ventilation.
- Wear protective clothing.
- Refer to data sheets and Material Safety Data Sheets

SHELF LIFE:

6 months in unopened containers.

Sample material estimate for 100m² job

Rapidfloor Bodycoat 6x 18lt pails

Tint packs, white 6 units.

Catalyst 8kg

Blended Colour Flakes 10 x 5kg cartons (C or F only)

Rapidfloor topcoat: 2 x 18lt pails

MAINTENANCE:

The glaze coats wear upon use and require reglazing to maintain a good appearance, aid cleaning and to protect the flakes. Fully and carefully sand and reapply Rapidfloor Topcoat
Inspect yearly and repair high wear areas to protect the flakes.

Terraflake MMA installation:

Grind concrete to ensure adhesion.



Apply first basecoat.



+30 minutes: Apply second basecoat .



Apply flakes into WET second basecoat.



+60 minutes: Apply clear topcoat .



+2hrs (depending on size): system complete .

