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## TERRAFLAKE

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

**GENERIC TYPE**

Epoxy bonded coloured plastic chips, encapsulated within a moisture cured polyurethane topcoat.

**TYPICAL PROPERTIES/  
FEATURES**

- Terraflake is a decorative, tough, durable, seamless floor coating system, designed for interior/exterior 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.
- Will withstand hydrostatic pressure.
- Excellent UV resistance.
- Non-yellowing.
- Follows contours of upstands and coves.
- Minimum application temperature +10°C.
- Finish is gloss.
- 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).
- Patios, decks, steps, carports etc.
- Showrooms, foyers.. Display areas
- Shops, offices, schools, cafeterias.
- Also as wall finishes to hygiene areas.

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TERRAFLAKE (cont'd)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 Nuplex Surfapatch or Quickroc. The Aquaguard 101 will tolerate a slightly damp surface (but not wet).

**Plywood:** The plywood should be flooring grade and screw fixed. Sand the surface with 80 grit paper. Fill holes with Nuplex Fairing Cream. Any joints should be epoxied using 450gsm CSM fibreglass in a 145mm wide strip. Use K36 epoxy resin as the binding resin.

b) Application System

Apply the Aquaguard 101, by brush or roller, to the prepared surface. Allow to dry overnight. Apply the second coat and whilst wet, apply the 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. Allow the flake coats to cure and gently rub with a hand-stone to smooth. Sweep and vacuum.

c) Glaze Options(i) Revathane Recommended & preferred topcoat

Aliphatic, UV protected moisture cured polyurethane. Suitable for all application but does have a very strong odour during application.

(ii) Terraflake Aqua Glaze

Waterbased, aliphatic, UV protected polyurethane. Suitable for most areas but best suited to light domestic traffic. Interior/exterior. Do **not** use in cold, damp situations. **Best** applied in warm conditions with good air movement to assist in drying. May be overcoated as soon as touch dry. Very low solvent content so it is suitable for solvent sensitive situations and its use implies that Terraflake is fully waterbased.

**COVERAGE RATES:**

**Aquaguard 101 Basecoat:**

1<sup>st</sup> coat 3m<sup>2</sup>/litre  
2<sup>nd</sup> coat 3m<sup>2</sup>/litre

**Flakes:** 0.5kgs/m<sup>2</sup> (10sqm / 5kg box)  
**Microflakes:** 1.0kgs/m<sup>2</sup>  
**Revtred:** 12 grams/m<sup>2</sup> - optional  
**Revathane Glaze:** 3 coats @ 6m<sup>2</sup>/litre/coat  
**Or Aqua Glaze:** 4-5 coats @ 10m<sup>2</sup>/litre/coat. - optional

***Revathane is the preferred and recommended system***

**FILM BUILD:**

Basecoats: 250 micron  
Flakes: 150 micron  
Glaze: 300 micron (200 micron Aqua)  
Total: 700 micron (600 micron Aqua)

**DRY TIMES:**

Basecoat (touch): 4 hours  
(Recoat and flake): 8 hours  
Glaze application  
(over flaked basecoat): 18 hours  
Aqua Glaze (per coat): 1-2 hours  
Recoat: 6-8 hours  
Full system:  
Light foot traffic: 12 hours  
Full use: 72 hours

**CLEAN UP:**

Basecoat/Aqua Glaze: water/soap  
Glaze: Nuplex Universal Cleaning Solvent

**CAUTION:**

- Provide adequate ventilation.
- Wear protective clothing.
- Refer to data sheets and Material Safety Data Sheets for Revathane / Aquaguard 101.

**SHELF LIFE:**

12 months in unopened containers.

**Sample material estimate for 100m<sup>2</sup> job**

Aquaguard 101 Part A 3 x 10lt pails  
Aquaguard 101 Part B 3 x 10lt pails  
Blended Colour Flakes 10 x 5kg cartons (C or F only)  
Revathane Glaze: 12 x 4lt tins

**MAINTENANCE:**

The glaze coats wear upon use and require reglazing to maintain a good appearance, aid cleaning and to protect the flakes.

For full details see ***Terraflake maintenance*** data.

**Revathane:**

Clean and degrease, sand and wipe with Reglaze Etch.

**Aquaglaze:**

Clean and degrease, sand with 120 grit paper.

Inspect yearly and repair high wear areas to protect the flakes.