

DESCRIPTION

Colour Flake™ make resinous flooring as beautiful as it is practical and cost effective. Colour Flake™, also commonly referred to as decorative vinyl chips or polymer flakes are specially formulated to enhance the aesthetic qualities of seamless, resin-based chip/flake flooring systems. This unique product is integrally pigmented, brilliantly coloured, random in shape and custom blended with infinite possibilities to achieve optimal appearance and texture qualities with a resinous flooring or wall coating system to match any décor.

FEATURES & ADVANTAGES

- Superior colourfastness/UV stability
- Extreme abrasion resistance
- Excellent chemical resistance
- Advanced colour-coating chemistry
- Optimal shape and size uniformity
- Outstanding slip-resistance qualities
- Customizable to complement any décor and environment
- Perfect for heavy-duty environments
- Extraordinary resilience
- Easy to apply, clean & maintain

RECOMMENDED USE

- Bars, Pubs & Taverns
- Butcher Shops and Commercial Kitchens
- Food Processing Plants & Grocery Stores
- Schools, Stadiums & Hallways
- Showrooms, Garages and Workshops
- Lobbies, Lounges, Nightclubs & Foyers
- Salons, Retail Stores and Wineries
- Shopping Centres and Retail Flooring
- Museums, Office Buildings & Galleries
- Restaurants & Lunch Rooms
- Veterinary Clinics, Zoos & more...

TECHINICAL DATA & CHARACTERISTICS

APPEARANCE	Coloured Flake™ / Paint Chips
COLOUR	Various
VOLUME SOLIDS	N/A
FINISH	N/A
COVERAGE	10 – 15m ²
MIX RATIO	N/A
PACK SIZES	5kg
SPECIFIC GRAVITY	3.6 kg/l
POT LIFE	N/A
DRYING TIME	N/A
RECOAT TIME	N/A
FULL CURE	N/A
SHELF LIFE	60 months, if properly stored in original unopened containers at temperatures between 10° C and 30°C, away from sunlight.

* The pot life time depends on climatic conditions and temperatures.

** Drying times generally depend on air circulation, temperature, film thickness, and application methods. The figures given above are typical with good ventilation, typical film thickness and single coat application.

SURFACE PREPERATION

All surface preparation has to be carried out to Australian Standard or International Standard. New concrete must be cured for a minimum of 28 days before a coating.

Concrete moisture test should be carried out prior coating application as per Standard ASTM4263 and/ or International Standard. The moisture content should be less than 4%.

Surface to be treated must be structurally sound and the substrate compressive strength should be at least 25MPa. All non-structural cracks, holes and surface deformities should be repaired.

In general, the surface to be treated **MUST** be clean and free of all traces of loose material, dirt, debris, mildew, oil, grease, old coatings, curing compounds, release agents, laitance, dust and other contaminants.

All new or old concrete surfaces should be prepared by mechanical grinding, abrasive blasting, blast-tracking, or any other suitable preparation/cleaning methods. Check if all traces of oil and other contaminations has been completely removed. Sprinkle a few water drops over the surface, if all water is quickly absorbed, the surface is sufficiently oil and grease free. If the water beads up, even in certain areas only, further preparation/cleaning has to be carried out.

For more detailed information, see following standard codes of practice, guides and techniques:

ASTM D4258 Standard practice for surface cleaning concrete for coating

ASTM D4259 Practice for abrading concrete

ASTM D4260 Practice for liquid and gelled acid etching of concrete

ASTM D4262 Test method for pH of chemically cleaned or etched concrete surfaces

ASTM D4263 Test method indicating moisture in concrete by the plastic sheet method

ASTM D4285 Test method for indicating oil or water compresses air

APPLICATION & GUIDELINES

Mixing

No mixing required as the colours come pre-blended.

Application

Always prime surface before the first coat to prevent pin holing and to minimise sink-back of material/basecoat. Prime coat with approximately 7-12m²/L, check for pinholes and do a 2nd prime coat if necessary.

Wearing spike shoes for this application type is strongly recommended. Apply basecoat and work from the end of the room backwards to the exit.

Note the colour flakes have to be applied during the process of the basecoat application and while the basecoat is still wet to ensure the colour flakes will stick properly to the basecoat. Be precautious if the basecoat becomes too dry, the flakes will not stick to it and you might end up with areas looking patchy and not evenly covered.

With big flooring projects we recommend using more applicators to carry out the task in a timely manner. While the basecoat is still wet, start throwing or scattering the colour flakes over the wet epoxy base coat to the amount and coverage desired. After 24 hours when the basecoat has been cured, sweep the floor and keep left over material beside. You can use a stand up scraper at very shallow angle to smooth out the surface for any chips that stick up in the air. Use then a vacuum cleaner to thoroughly remove any remaining loose colour flakes.

Apply first urethane coat on the flakes. If there is some patchiness within the floor, sprinkle some flakes from the left over material onto the patchy areas into the first urethane top coat to rectify the look, while the coat is still wet. After the first coat has cured, apply second urethane coat. Two coats minimum is recommended. Use a lint free epoxy roller to apply the product. The second coat has to be applied within 24 hours of the application of the first coat to ensure the second coat will bite into the first coat. After 24 hours the first coat has to be sanded prior application of the second coat to assure a sound adhesion between coats. Different finishes can be achieved with Gloss, Satin or Matt finish Urethanes. Anti-Slip additives can be added to archive slip resistance. Discard all left over colour flake material.

Curing Times

Depend on the epoxy and coatings system used. In general allow coating to cure for at least 24 hours before subjecting to light pedestrian traffic and at least 7 days for full cure and vehicular traffic. The pot life time depends on climatic conditions and temperatures. All drying times depend on film thickness, ventilation, temperature, humidity and application methods.

Cleaning

Clean all equipment immediately after use with water or solvents.

Coating Maintenance

In general dirt, dust, contaminants, and excessive wear and tear will shorten the life of coating. Keep these areas clean and free from such pollutants and avoid excessive wear and tear. Clean coating regular with warm mild detergent water up to 60°C and rinse with clean water. Do not use abrasive brushes, scouring pads or solvent to clean the coated surface. It is advisable if abnormal wear and tear will occur through moving furniture such as office chairs, keep these areas protected with a protective mat.

Compatibility & Suitability

Do NOT mix this product or use this product in combination with any other products or brands. Due to the differences in substrates, material and site conditions, and environmental surrounds, the applicator holds whole responsibility for checking the products suitability for its intended purpose prior application. Only products of the same brand/system should be used in combination as a system.

PRECAUTIONS

Safety Data Sheet and Technical Data Sheet must be read before using and opening this product. Keep out of reach of children. Always wear personnel protective equipment (PPE) when handling this product. Keep away from heat and flame. No smoking. Provide adequate ventilation. For more details refer to safety data sheet (SDS).

Do not apply if the air or surface temperature is below 10°C, or if the temperatures is subject to drop below 10°C during applying, or after application within the curing time.

Do not apply if substrate is subject to hydrostatic pressure or rising dampness.

Do not apply if surface is subjected to unusual high temperatures above ambient temperature.

Do not apply if the surface temperature is over 30°C, or if the surface temperature is subject to raise above 30°C during applying, or after application within the curing time, or if relative humidity is suspected to become above 85%.

Do not apply if substrate is subject to rain or moisture, and protect surface at least 24 hours against any water impact, or moisture after application within the curing time. Do not use any product past its pot life. Store locked up, in a cool, dry, well ventilated place, away from sunlight, between 10°C and 30°C. Keep container tightly closed.

DISCLAIMER

Do not apply this product if there is uncertainty about application or surface preparation. This Technical Data Sheet is to be used as a guide only; it is NOT a specification. Durable Concrete Coatings Pty Ltd has no control over the use or storage of this product and therefore does not accept liability in this regard. Any verbal advice given should not be regarded as authoritative information. This information is subject to change without notice, therefore all applicators should ensure they have current information. This product is intended for the use only of skilled tradesman and where applicable, statutory licensed tradesmen experienced and trained in the use of this product. Due to differences in substrates, application methods and local conditions purchasers of these products must ensure that it is suitable for their specific application before using these products. While the information contained in the TDS and SDS is accurate to the best of our knowledge, Durable Concrete Coatings Pty Ltd cannot guarantee that the information contained is wholly comprehensive. Subject to the provisions of the Trade Practices Act, the Company's liability in relation to defective product shall be limited to replacement of the product, proving the product to be defective. Durable Concrete Coatings Pty Ltd all terms and conditions apply.

Durable Concrete Coatings Pty Ltd | 2/100 Kingston Road, Underwood

QLD 4119 Australia

Landline (07) 3808 2769 | Toll Free 1300 800 054

[info@durableconcretecoatings.com.au](mailto:info@ durableconcretecoatings.com.au) | www.durableconcretecoatings.com.au