

DESCRIPTION

Colour Quartz™ is UV stable and a notoriously hard mineral which makes it ideal for use on floors in commercial, industrial, and residential environments. It has many great qualities such as anti-slip properties and its vibrancy makes it perfect for use as a coloured decorative component. Colour Quartz™ is the most versatile used mineral in the epoxy flooring industry that is generally combined with epoxy, polyaspartic or polyurea coatings.

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 compliment any décor and environment
- Perfect for heavy-duty environments
- Extraordinary resilience
- Easy to apply

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 & Lunchrooms
- Veterinary Clinics, Zoos & more...

TECHNICAL DATA & CHARACTERISTICS

APPEARANCE	Granular Solid
COLOUR	Multiple Colours Available
VOLUME SOLIDS	N/A
FINISH	N/A
COVERAGE	0.5 – 1.0m ² /KG when used as anti-slip additive, full broadcast
MIX RATIO	N/A
PACK SIZES	20KG
SPECIFIC GRAVITY	N/A
POT LIFE	N/A
DRYING TIME	N/A
RECOAT TIME	N/A
FULL CURE	N/A
SHELF LIFE	72 months, if properly stored in original unopened containers at temperatures between 10° C and 30°C, away from sunlight.

* The pot life depends on climatic conditions and temperatures.

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

SURFACE PREPARATION

All surface preparations must 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 to 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. The substrate tensile strength should be at least 1.5N/mm². 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. Surface profile should exceed CSP 3 after preparation. Check if all traces of oil and other contaminations has been completely removed prior coating application.

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**

If your project requires multiple units, please box the units together for colour consistency. The applicator/customer is responsible for applying the correct colour.

Application when used as Anti-Slip Additive

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 Quartz™ must be applied during the process of the basecoat application while the basecoat is still wet to ensure the colour quartz will stick properly to the basecoat.

Be cautious if the basecoat becomes too dry, the colour quartz will not stick to it, and you might end up with areas looking patchy and not evenly covered. If you apply the basecoat too thick, your Colour Quartz™ spread rate will decrease significantly as too much film thickness will absorb more of the Colour Quartz™ granules.

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 Quartz™ 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 aside. Then use a vacuum cleaner to thoroughly remove any remaining loose colour quartz. Apply 2x clear top coats over the Colour Quartz™. If there is some patchiness within the floor, sprinkle some colour quartz from the left-over material onto the patchy areas into the first top coat to rectify the look, while the coat is still wet and backroll the area. Use a lint free epoxy roller to apply the product. Discard all left over Colour Quartz™ 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 depends on climatic conditions and temperatures. All drying times depend on film thickness, ventilation, temperature, humidity, and application methods. All curing times mentioned in this TDS are based on temperatures of 25°C. Lower temperatures will extend curing times. If the temperature in your region is 12.5°C, all curing times will double e.g., full cure will be approximately 14 days. DCC does not recommend epoxy application when temperatures are below 10°C as the epoxy goes into B-staging (the epoxy stops curing).

Cleaning

Clean all equipment immediately after use with water or solvents, depending on the epoxy system used.

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 regularly 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. Further to the above cleaning recommendations please ensure immediate cleaning of any spills. Refer to DCC Maintenance & Cleaning Guide for detailed information.

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, materials, 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 personal 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 temperature 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 its 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 products shall be limited to replacement of the product, if the product is proven to be defective. All Durable Concrete Coatings® Pty Ltd terms and conditions apply.

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