

DESCRIPTION

DuraBase™ Resurfacing Compound is a premium dry cementitious-based component of a three-part decorative resurfacing system designed to rejuvenate, protect and enhance existing concrete surfaces. When mixed with DuraPolymer™ and DuraTint™, it produces a durable, textured and decorative coating suitable for driveways, patios, paths and floors. The system provides excellent adhesion, strength and long-term wear resistance, delivering a decorative finish ideal for residential and commercial applications.

FEATURES & BENEFITS

- Superior UV stability and long-lasting colour retention
- Excellent abrasion and wear resistance
- Withstands harsh weather and temperature extremes
- Enhanced adhesion to sound concrete surfaces
- Textured finish providing outstanding slip resistance
- Decorative finish suited to any environment
- Ideal for driveways, patios, path, pool surrounds and balconies
- Durable, resilient and easy to maintain
- Suitable for spray, trowel and squeegee applications
- Designed for professional results and long-term performance

RECOMMENDED USE

- Driveways and Pathways
- Patios, Courtyards and Pool Surrounds
- Residential and Commercial Entry Areas
- Balconies and Verandas
- Car Parks and Walkways
- Schools, Childcare and Community Areas
- Restaurants, Cafés and Outdoor Dining Areas
- Retail Centres and Showrooms Floors
- Plazas and Promenades
- Decorative Interior and Exterior Resurfacing

TECHNICAL DATA & CHARACTERISTICS

APPEARANCE	Powder			
COLOUR	Off-White			
VOLUME SOLIDS	N/A			
FINISH	Depending on application method			
COVERAGE ¹	10 – 15m ²			
MIX RATIO	See details within this technical data sheet			
PACK SIZES	20kg Bag			
SPECIFIC GRAVITY	N/A			
POT LIFE ²	35 – 50 minutes			
DRYING TIME ³	24 hours @25°C light foot traffic			
RECOAT TIME ³	N/A			
FULL CURE ³	7 days @25°C vehicle traffic			
SHELF LIFE	24 months, if properly stored dry in original unopened bags at temperatures between 10°C and 30°C, away from rain and direct sunlight.			
COMPRESSIVE STRENGTH ⁴	1 Day 8 MPa	3 Days 32 MPa	7 Days 43MPa	28 Days 56MPa
ABRASION INDEX ⁴	0.07 Sealed			
FRICTION COEFFICIENT ⁴	0.54 Sealed (Slip Resistance AS 4586:2013 [Wet] Sprayed finish P5, Trowel finish P1)			

¹ Coverage is dependent on profile of surface, spread rate, and application methods.

² The pot life depends on climatic conditions and temperatures, inclusive water temperature.

³ Drying times generally depend on air circulation, air temperature, humidity, film thickness, substrate temperature, and application methods.

⁴ Compressive strength, abrasion, and slip values were tested under controlled laboratory conditions. On-site results may vary depending on water-to-polymer mix ratios and addition rates, application thickness, application methods, ambient temperature, and curing conditions. The slip rating is texture dependent.

The figures given above and within this technical data sheet are typical with good ventilation, recommended film thickness and single coat application.

SURFACE PREPARATION

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

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

The 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 prior to coating. DCC recommends Patch & Anchor Crack Repair to ensure optimal bond strength between repaired areas and the cementitious resurfacing compound.

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 existing concrete surfaces must be thoroughly prepared either by acid etching, high-pressure water blasting (minimum 2500 psi), mechanical grinding, abrasive blasting, blast-tracking, or other suitable preparation and cleaning methods. All existing coatings, sealers, curing compounds, dust, oil, grease, laitance, and other surface contaminants must be completely removed. The surface must be clean, dry, sound, and free of any brittle, weak, or contaminated concrete.

When acid etching is used, ensure the solution does not dry on the surface. All residues must be fully neutralised and thoroughly washed away before application. The product must not be applied on soft, chalky, or dusty concrete, or where coatings or waterproof membranes are present.

Check if all traces of oil and other contaminations has been completely removed prior coating application. You can check that all traces of oil and other contaminants have been completely removed by sprinkling a few drops of water over the surface. If the water hydrates quickly into the substrate, the surface is sufficiently oil and grease-free.

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

MIXING & APPLICATION GUIDELINES

General Information

Before application, ensure all surrounding surfaces, landscaping, and adjoining areas are properly protected. Cover or mask nearby walls, doors, plants, and grass to prevent overspray. Expansion joints should be clearly identified and securely taped prior to application. It is recommended that all masking materials and protective coverings be removed once the resurfacing process is completed. Always use a mechanical mixer to ensure thorough mixing and avoid aeration during the process.

Prime Coat

Prime coat is DuraPolymer[™] diluted with clean water.

Always prime the surface before applying the first base coat.

For the prime coat, mechanically mix 1 Part DuraPolymer[™] with 3 Parts clean water by volume. The mixture can be applied by broom, sprayed, or rolled onto the surface to achieve full and even coverage. Ensure the primer is applied uniformly without pooling or ponding on the surface.

Coverage is typically 8-10m² per litre, depending on the surface porosity and condition. Allow the primer to dry completely before proceeding with the DuraBase[™] Resurfacing Compound.

Prime Coat	1L	2L	3L	4L	5L	6L	7L	8L
1 Part Polymer	0.25L	0.5L	0.75L	1.0L	1.25L	1.5L	1.75L	2.0L
3 Parts Water	0.75L	1.5L	2.25L	3.0L	3.75L	4.5L	5.25L	6.0L
Coverage	8-10m ²	16-20m ²	24-30m ²	32-40m ²	40-50m ²	48-60m ²	56-70m ²	64-80m ²

Base Coat(s)

Base coat(s) is made by combining DuraBase[™], DuraPolymer[™], and DuraTint[™].

Before mixing, ensure all equipment and buckets are clean and free from any contaminants.

For each 20 kg bag of DuraBase[™] Resurfacing Compound, measure 2.5 litres of DuraPolymer[™] and 2.5 litres of clean water into a suitable bucket. Add one full bottle of DuraTint[™] directly into the liquid mixture and mix thoroughly to ensure full colour dispersion. Rinse the tint container and return the remainder into the bucket to ensure all colour is fully utilised for colour consistency.

While mechanically mixing continuously at low speed using a mortar stirrer mixer, slowly add the 20 kg bag DuraBase[™] Resurfacing Compound and mix thoroughly until smooth and lump free. Mix for at least 3 - 5 minutes, depending on viscosity and ambient temperature.

Avoid over mixing or introducing air, as this may lead to pinholes. Dry lumps can form when DuraBase[™] is added too quickly or not thoroughly mixed. Improper or insufficient mixing may cause delamination and a weak surface.

If the mix is too dry for the applicator's preference, additional quantities of the diluted DuraPolymer[™] and water solution may be added to adjust consistency. We do not recommend exceeding a total liquid addition rate of approximately 6 litres per 20 kg bag.

After mixing, allow the material to rest briefly (approximately 1–3 minutes) to permit trapped air to escape before application. Keep the mixed material out of direct sunlight or excessive heat during this period, as high temperatures can shorten working time and affect consistency. Check consistency and adjust only with small amounts of the pre diluted DuraPolymer[™] and water mixture if required.

DURABASE™ RESURFACING COMPOUND

Apply the first base coat evenly using a hopper gun, trowel, or squeegee. Allow the surface to dry thoroughly before applying the second base coat. The second spray coat may be mixed slightly thicker to achieve the desired coverage, texture, and opacity.

Maintain consistent mixing ratios and batch methods across the project to ensure uniform colour and texture. Approximate coverage for the base coat is 10–15 m² per 20 kg bag, depending on surface texture, application thickness and application method.

Clean all mixing tools and equipment immediately after each batch mixed to prevent material build up and contamination.

Sealing

Ensure the surface is completely dry before sealing. Once completely dry, seal with DCC Concrete Sealer AC30™. Any trapped moisture may lead to whitening, blistering, or loss of adhesion. We recommend conducting a Dry Test prior to sealing to confirm the surface is ready to be sealed.

Dry Test

Place a small sheet of plastic over the spraycrete surface and tape down all edges. Leave in place for at least one hour. Remove the plastic and inspect both the spraycrete surface and the underside of the sheet. If no moisture is present, the surface is sufficiently dry and ready to be sealed. Pay particular attention to shaded or low sun areas, as these locations often dry slower and may require additional testing before sealing.

Apply two coats of DCC Concrete Sealer AC30™ in accordance with the AC30 Technical Data Sheet, ensuring the second coat is applied within the recommended recoat window.

Curing Times

The pot life can vary according to the products and resurfacing system used, and environmental conditions including temperature. Drying times will depend on film thickness, ventilation, temperature, humidity, and application methods. Generally, allow spray coat to cure for at least 24 hours before light pedestrian traffic and at least 7 days for full cure and vehicular traffic. However, general curing times mentioned in this TDS are based on temperatures of 25°C.

Lower temperatures will extend curing times significantly. 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 application when temperatures are below 10°C.

Cleaning

Clean all equipment immediately after use with water.

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. 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. Only products of the same brand and system should be used in combination as a system. Due to the differences in substrates, materials, site conditions and environmental surrounds, the user is responsible for checking the product's compatibility and suitability for its intended purpose prior to application.

QUICK APPLICATION OVERVIEW**Step 1 – Surface Preparation**

Grind, acid etch or pressure clean to remove contaminants. Rinse thoroughly and allow to dry. Repair cracks or damaged areas before coating.

Step 2 – Masking and Protection

Before application, ensure surrounding surfaces, landscaping and adjoining areas are protected. Cover or mask nearby walls, doors, plants and grass to prevent overspray.

Step 3 – Prime the Surface

Apply the primer mix (1 Part DuraPolymer™ to 3 Parts Clean Water) by broom, roller or sprayer. Allow to dry completely.

Step 4 – First Base Coat

Mix DuraBase™ Resurfacing Compound with DuraPolymer™ and DuraTint™. Apply the first base coat by hopper gun, trowel, or squeegee. Allow to dry. Where a pattern is desired, stencil or tape may be applied either before or after the first base coat, depending on the desired finish and application method.

Step 5 – Second Base Coat

Apply the second base coat using the same mixture and method as Step 4. Allow to dry completely.

Step 6 – Pattern Removal (If Applied)

Remove stencil or tape once dry.

Step 7 – Seal the Surface

Once fully dry, apply two coats of DCC Concrete Sealer AC30™ as per Technical Data Sheet.

PRECAUTIONS

For professional use only. Safety Data Sheet (SDS) and Technical Data Sheet (TDS) 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 SDS.

Do not allow primer to pool. If primer pools, spread across surface. Allowing primer to dry in a pooling area can affect adhesion.

Limit priming over any epoxy crack repairs. For best adhesion between the repair and the resurfacing compound, DCC recommends using Patch & Anchor Crack Repair.

Keep all materials, tools, and equipment out of direct sunlight. Mixing and preparation should always be carried out in shaded areas to maintain consistent workability and prevent premature setting.

During warmer months, tap water can become very hot due to shallow pipe placement. Using hot water when mixing may cause the resurfacing compound to set rapidly and significantly reduce working time. Always use cool, clean water to maintain proper consistency and performance.

Cold and Hot Weather Conditions: Do not apply when ambient or surface temperatures are below 10°C, as curing is significantly slowed and may result in weak or inconsistent performance. Do not apply onto very hot

DURABASE™ RESURFACING COMPOUND

surfaces (greater than 40°C), as this can affect curing and working time. Under hot conditions, shade the application area and avoid direct sunlight where possible.

Where application in colder conditions is unavoidable, DuraAccelerator™ may be used to assist curing and reduce waiting times. DuraAccelerator™ must be used strictly in accordance with its instructions and the DCC Technical Data Sheet. Sealing must not proceed until the surface is completely dry and suitable for coating.

Do not apply if the air or surface temperature is below 10°C, or if the temperature is likely to drop below 10°C during applying, or after application, within the curing time, or if relative humidity is expected to become above 85%. Observe dew point.

Surface staining and discolouration may result from exposure to some aggressive chemicals. Staining and discolouration will not affect the performance of the coating.

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

Do not apply if the surface temperature is over 40°C, or if the surface temperature is likely to rise above 40°C during application, or after application within the curing time, or if relative humidity is expected to become above 85%.

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

Maintain a continuous wet edge to prevent colour inconsistencies and roll marks. Avoid rolling back into a coat once it has started to tack or set.

Do not apply this product if there is uncertainty about its application or surface preparation.

DISCLAIMER

This Technical Data Sheet is to be used as a guide only and is NOT a substitute for a specification. Durable Concrete Coatings Pty Ltd has no control over on-site conditions, application methods, environmental temperatures, the use or storage of this product and does not accept liability in this regard. Any verbal advice provided by staff of Durable Concrete Coatings Pty Ltd should not be treated as authoritative information or instructions for use.

This information may be subject to change without notice to you, all users should ensure they have current information. This product is intended for use by 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. The information contained in the technical data sheets, safety data sheets, and technical notes 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 Competition and Consumer Act 2010, 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.