CONCRETE SEALER AC30™

Date of Issue – April 2017 V1.0
This TDS replaces all previous versions.

TECHNICAL DATA SHEET

DESCRIPTION

Concrete Sealer AC30™ is a high grade, tough, durable clear solvent based acrylic sealer for protection against weather, traffic, oil and dirt. Concrete Sealer AC30™ is recommended as the finishing coat to seal all new concrete surfaces including stencil, exposed aggregate, stamped or coloured concrete. This general purpose sealer has been designed to provide a durable, non-yellowing, protective coat with excellence resistance to most contaminants, preventing staining and dirt impregnation. This unique product is UV stable and available in clear or coloured.

FEATURES & ADVANTAGES

- Superior colourfastness/ UV stability
- Excellent adhesion/inter-coat adhesion
- Extreme abrasion resistance
- Good water & chemical resistance
- High durability
- Perfect for heavy-duty environments
- Retards growth of mould, fungus, mildew and bacteria
- Extraordinary resilience
- Clear or coloured
- Easy to apply, clean & maintain

RECOMMENDED USE

- Coloured Decorative Finishes
- Driveways
- Footpaths, Hallways & Corridors
- Exposed Aggregate
- Sealing Concrete and Driveways
- Stamped Concrete
- Stencil Concrete
- Stairways
- Public Pathways & Municipalities
- Schools, Showrooms & much more…

TECHINCAL DATA & CHARACTERISTICS

APPEARANCE	Liquid
COLOUR	Clear
VOLUME / SOLIDS	24 %
FINISH	Gloss
COVERAGE	6 – 12m²
MIX RATIO	N/A
PACK SIZES	20L Clear / 18L Tint Base
SPECIFIC GRAVITY	0.94 – 0.96 kg/l
POT LIFE	Cures in contact with air
DRYING TIME	Dust Free: 40 – 60 minutes @ 20°C
RECOAT TIME	4 – 6 hours @ 20°C
FULL CURE	Hard Dry: 12 – 24 hours @ 20°C
SHELF LIFE	12 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 beats 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

TECHNICAL DATA SHEET

APPLICATION & GUIDELINES

Mixing
No mixing required if you use only a clear gloss version.

Tint Packs
Shake or stir tint pack well before use. Check colour prior mixing with Concrete Sealer AC30™. Measure correct tint pack ratio appropriate to your amount of Concrete Sealer AC30™ to be used, if you do not want to colour the whole drum of sealer at once. Mix ratio is 1L APU Colour Tint Pack™ to 18L Concrete Sealer AC30™ - Tint Base. Add tint pack into the sealer. Use a mechanical mixer to distribute the pigments properly and ensure thorough mixing and avoid aeration when mixing the product.

Application
Priming is recommended before the first coat to minimise sink-back of material. Check colour prior to application, if you are using a tinted version. Prime coat with approximately 8-12m²/L.

If thinning is required, you can add 5% Solvent SLP100™.

Two coats as minimum recommended. Use a lint free epoxy roller to apply the product. The second coat has to be applied within 4 – 6 hours of the application of the first coat to ensure the second coat will bite into the first coat.

Curing Times
Dry Times; Dust Free:40 – 60 minutes, Re-coat window: 4-6 hours, Hard Dry: 12 – 24 hours. 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. All drying times depend on climatic conditions, temperatures, film thickness, ventilation, humidity and application methods.

Cleaning
Clean all equipment immediately after use with Solvent SGP80™ or Solvent SLP100™.

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.

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