

DESCRIPTION

Anti-Graffiti Coating SC4500™ is a new generation, heavy duty, single component, water-based anti-graffiti coating. This product is designed for a protective anti-graffiti solution to protect the permanent defacement and tagging of surfaces from commercially available spray paints with an invisible natural look and breathable barrier. Anti-Graffiti Coating SC4500™ is a water-based penetrating solution and non-film forming used on concrete, masonry surfaces, exposed aggregate, masonry, slate, sandstone, pavers, bricks, grout, granite, limestone, travertine, and terracotta. Anti-Graffiti Coating SC4500™ has no unpleasant odour or flammability problems and is therefore excellent to use for public areas. No dangerous fumes, easy to apply, Non-Toxic & Non Flammable. Can be used interior and exterior.

FEATURES & ADVANTAGES

- Water based and non-flammable
- Low VOC
- Ideal graffiti barrier
- Extraordinary resistance
- Allows easier removal of grease, dirt and graffiti
- Reduces growth of mould, fungus, mildew and bacteria
- Breathable and not film forming
- For interior & exterior use
- Easy to apply, clean & maintain

RECOMMENDED USE

- Concrete walls and bridges
- Internal & external concrete walls
- Exposed aggregates
- Retaining walls & natural stone areas
- Skate parks & public municipalities
- Internal Hallways
- Park district facilities
- Restaurants and cafeterias
- Shopping Centres
- Industrial and stadium hallways
- Schools, hospitals & much more...

TECHINICAL DATA & CHARACTERISTICS

APPEARANCE	Liquid
COLOUR	Clear/ Milky White
VOLUME SOLIDS	N/A
FINISH	No change in appearance, retains natural look.
COVERAGE	4 – 10m ² , depending on porosity of the substrate and application method.
MIX RATIO	N/A
PACK SIZES	20L
SPECIFIC GRAVITY	1.01 kg/l
POT LIFE	N/A
DRYING TIME	2 – 8 hours @ 25°C
RECOAT TIME	N/A
FULL CURE	N/A
SHELF LIFE	24 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 ASTM D4263 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 contaminants have been completely removed. Sprinkle a few water drops over the surface, and if all the 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 the following standard codes of practice, guides and techniques:

ASTM D4258 Standard Practice for Surface Cleaning of 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 in Compressed Air

APPLICATION & GUIDELINES

Mixing

Shake well before use.

Application

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. Protect any adjacent areas by masking to avoid splashes or overspray onto surfaces not intended to be treated. Anti-Graffiti Coating SC4500™ is ready to use and should be applied when the surface is completely dry. Shake well to ensure thorough mixing. Two coats recommended for optimum effect. Apply product via flood coating to the point of saturation using a brush, roller or low pressure spray and give the whole surface a wet look. If Anti-Graffiti Coating SC4500™ sucks straight into the substrate a lot, you might need to feed instantly more product into the surface. Do NOT allow pooling on surface as it may result in a residue that will need to be mechanically removed. Remove any excess product with a mop or micro fibre cloth prior fully drying. Apply second coat soon after and before the first coat dries, once dry a second coat cannot be applied as the surface is water repellent. Do not apply outdoor if rain is imminent or forecast.

Curing Times

Dry Times: 2-8 hours, Full cure with maximum resistance: 24 hours. Allow coating to cure for at least 24 hours before subjecting to pedestrian and vehicular traffic, if used on the floor. All drying times depend on climatic conditions, temperatures, ventilation, humidity and application methods.

Cleaning

Clean all equipment immediately after use with water.

Coating Maintenance

In general any contaminants should be cleaned up immediately to maximize the longevity and best performance. Clean surface regularly every 12 months with warm mild pH neutral 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.

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 product's suitability for its intended purpose prior to 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 temperature is likely to drop below 10°C during applying, or after application, within the curing time.

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

Do not apply if the 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 likely to rise above 30°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 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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