

ANTI-SLIP ADDITIVE AS400™

#50 SUSPENDING FILLER

DESCRIPTION

Anti-Slip Additive AS400™ #50 Suspending Filler are used to provide slip resistance with floor coatings in residential, commercial and industrial areas. They can be used for stair cases, ramps, elevators, commercial kitchens, wet areas, passageways, walkways, showers, machine shops, locker rooms, automobile maintenance shops, pools, garages, hangars, cold storage rooms, warehouse floors, factories and many more environments.

FEATURES & BENEFITS

- Enhanced safety
- Versatile application
- Easy integration
- Improved traction
- Uniform finish
- Chemical resistance
- Suitable for residential, commercial and industrial
- Perfect for indoor and outdoor use
- Cost-effective
- Compatible with solvent- and water-based coatings
- Eco-friendly
- Easy to apply

RECOMMENDED USE

- Bars, Pubs & Tavern
- Warehouses & Aircraft Hangars
- Butcher Shops and Commercial Kitchens
- Food processing Plants & Grocery Shops
- 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...

TECHNICAL DATA & CHARACTERISTICS

APPEARANCE	Powder
COLOUR	White
VOLUME SOLIDS	N/A
FINISH	Textured
COVERAGE ¹	N/A
MIX RATIO	Refer to information on page 3
PACK SIZES	200gm 400gm 2kg
SPECIFIC GRAVITY	N/A
POT LIFE ²	N/A
DRYING TIME ³	N/A
RECOAT TIME ³	N/A
FULL CURE ³	N/A
SHELF LIFE	5 years, if properly stored in original unopened containers at temperatures between 10°C and 30°C, away from direct sunlight.

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

² The pot life depends on hardener selection, climatic conditions and temperatures. Refer to the table under 'Curing Times'.

³ Drying times generally depend on hardener selection, air circulation, air temperature, humidity, film thickness, substrate temperature, and application methods. Refer to the table under 'Curing Times'.

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

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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 25 MPa. The substrate tensile strength should be at least 1.5 N/mm². All non-structural cracks, holes, and surface deformities should be repaired prior to coating.

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 and cleaning methods. The surface profile should exceed CSP 3 after preparation.

Check if all traces of oil and other contaminants have been completely removed prior to 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

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APPLICATION GUIDELINES

Directions for use in 2Pack Systems: 1 – 5% by weight per mixed litre, depending on the anti-slip required, coating film thickness, and application methods (e.g., 5% is equivalent to 20 gm/L). We recommend not exceeding 5% as some coating systems can become too thick and hard to roll out. Use a mechanical mixer to ensure thorough mixing. Add #50 into Part A only while mixing; pour slowly in portions until fully dispersed and let sit for 10 minutes for the particles to expand. Add Part B after, thoroughly mix, and apply the product. Always close the lid after use and prevent the product from getting wet. Always check for compatibility before using Anti-Slip Additive AS400™ #50 Suspending Filler. The weight of 100gm is approximately 250mL by volume.

Suggested addition rates by weight per mixed litre at 5% for two-pack systems.

Addition Rate	1L	5L	10L	15L	20L
1%	4gm	20gm	40gm	60gm	80gm
2%	8gm	40gm	80gm	120gm	160gm
3%	12gm	60gm	120gm	180gm	240gm
4%	16gm	80gm	160gm	240gm	320gm
5%	20gm	100gm	200gm	300gm	400gm

Directions for use in Single Pack Systems: 1 – 5% by weight per mixed litre, depending on the anti-slip required, coating film thickness, and application methods (e.g., 5% is equivalent to 20 gm/L). We recommend not exceeding 5% as some coating systems can become too thick and hard to roll out. Use a mechanical mixer to ensure thorough mixing. Add #50 into Part A only while mixing; pour slowly in portions until fully dispersed and let sit for 10 minutes for the particles to expand. Thoroughly mix, and apply the product. Always close the lid after use and prevent the product from getting wet. Always check for compatibility before using Anti-Slip Additive AS400™ #50 Suspending Filler. The weight of 100gm is approximately 250mL by volume.

Suggested addition rates by weight per mixed litre at 5% for single-pack systems.

Addition Rate	1L	5L	10L	15L	20L
1%	4gm	20gm	40gm	60gm	80gm
2%	8gm	40gm	80gm	120gm	160gm
3%	12gm	60gm	120gm	180gm	240gm
4%	16gm	80gm	160gm	240gm	320gm
5%	20gm	100gm	200gm	300gm	400gm

Coverage: The required slip resistance depends on the environment where it will be used, coating film thickness, and application methods. The slip resistance is subject to the applicator. To comply with the slip resistance standards AS/NZS 4586 and AS/NZS 4663, you must contact the National Association of Testing Authorities (NATA) for an accredited specialist in slip resistance testing who is an official Registered Testing Authority (RTA), as defined by the National Construction Codes (NCC), also known as the Building Code of Australia (BCA), to verify the quality and reliability in testing and certification of slip resistance. Disclaimer: Durable Concrete Coatings Pty Ltd is not responsible for the product field performance and any liability claims in any form or matter as the use and applications of this product are beyond our control.

Cleaning

Clean all equipment immediately after use with Solvent SLP100™. Use a broom, dustpan, or vacuum cleaner to clean any spilled Anti-Slip Additive AS400 #50 powder.

Coating Maintenance

In general, dirt, dust, contaminants, and excessive wear and tear will shorten the life of the coating. Keep these areas clean and free from such pollutants and avoid excessive wear and tear. Clean the coating regularly with warm, mild detergent water up to 60°C and rinse with clean water. Do not use abrasive brushes, scouring pads, or solvents to clean the coated surface. It is advisable to protect areas where abnormal wear and tear

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might occur, such as from moving furniture like office chairs, with a protective mat. In addition to the above cleaning recommendations, please ensure immediate cleaning of any spills. Refer to the 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 together. 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.

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 personal protective equipment (PPE) when handling this product. Keep away from heat and flame. No smoking. Provide adequate ventilation. For more details, refer to the SDS.

Do not exceed the recommended addition rate of Anti-Slip Additive AS400™ #50 Suspending Filler. Excessive amounts will increase viscosity, cause roller marks, and make application more difficult or impossible. Strictly follow the recommended ratios.

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

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 application or after application within the curing time.

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 rise 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 the 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 tradesmen and, where applicable, statutory licensed tradesmen experienced and trained in the use of this product.

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Due to differences in substrates, application methods, and local conditions, purchasers of these products must ensure that they are 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 the replacement of the product if the product is proven to be defective. All Durable Concrete Coatings Pty Ltd terms and conditions apply.