AS17 ANTI-SLIP SOLUTION

ACID CLEANER AND ANTI-SLIP TREATMENT

USES

1. Suitable for homogeneous tiles, cement floors, marble, granite and pebble stone surfaces. (Not suitable for printed pattern ceramic tiles as it will etch away the surface layer.)
2. **AS17** etching treatment is an invisible floor treatment, not a coating.

APPLICATION METHOD

1. Remove greasy stains from tiles. Add detergent into AS17 to help with stain removal.
2. Dilute **AS17** with 1 volume of water, wet the floor and spread with PVC mop.
3. **AS17** will etch the tile surface in about 20 minutes to increase the slip resistance.
4. Test by stepping on it to feel the slip resistance.
5. After treatment, rinse immediately with water.
6. **Do not over-etch.** It will roughen the floor with the tendency to trap dirt and stain.

COVERAGE

16 m^2 / kg

PACKING

1 kg 5 kg 20 kg



Anti-slip treatment at Ngee Ann Polytechnic



Anti-slip test reading above 40 - Class P3 with Slider 96 or Class P4 with Slider 55 (refer to compliance guide on p. 3 and 4 of this brochure.)



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CLEANING AND MAINTENANCE

1. Simply keep it free of dirt and oil.
2. Do not apply wax or apply glossing solutions containing wax to a treated floor.
3. Wax will increase the chances of slip and falls.
4. After a few years, maintain the frictional resistance by add 10% AS17 into detergent to mop the floor.

CAUTION

1. Will whiten or dull black or dark-coloured tiles or stone surfaces.
2. Test on a small area to check for colour changes before treating the whole area.
3. It is corrosive and will corrode stainless steel, aluminum and glass.

SAFETY PRECAUTIONS

1. Wear nitrile gloves, gumboots and safety goggles.
2. Skin contact: It will penetrate the skin. Wash immediately with soap and plenty of water.
3. Eye contact: Flush the eye for 15 minutes with plenty of water and seek medical attention immediately.

STORAGE

1. Keep in the original containers. Do not switch to other containers.
2. Make sure the cap is closed tightly.



Above are our recommendations based on in-house testing and experience. When in doubt, please do a preliminary testing on-site before use.

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CERT NO.: 2015-0644
ISO 14001 : 2015

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STANDARDS FOR SLIP RESISTANCE

(AUSTRALIAN STANDARD AS 4586:2013, SINGAPORE STANDARD SS 485:2022)

WET PENDULUM SLIP RESISTANCE TEST COMPLIANCE CRITERIA (AS 4586)

Class	Pendulum SRV (See Note 1)	
	Slider 96	Slider 55
P5	>54	>44
P4	45-54	40-44
P3	35-44	35-39
P2	25-34	20-34
P1	12-24	<20
P0	<12	

PEDESTRIAN SURFACE MATERIAL SELECTION GUIDE FOR GENERAL LOCATIONS (SS 485:2022)

Location	Pendulum	Ramp
Indoor public accessible area / corridor / walkway	P1 (Z)	R9
Internal stair tread, nosing and landing	P3 (X)	R10
Internal ramp and slope (gradient not steeper than 1:14)	P3 (X)	R10
Internal ramp and slope (gradient steeper than 1:14)	P4 (W)	R11
Entry area / foyer	P3 (X)	R10
Covered public accessible area / corridor / walkway / porch / lift lobby [exposed to weather on side(s)]	P3 (X)	R10
General outdoor public area / corridor / walkway	P4 (W)	R11

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AS17 ANTI-SLIP SOLUTION

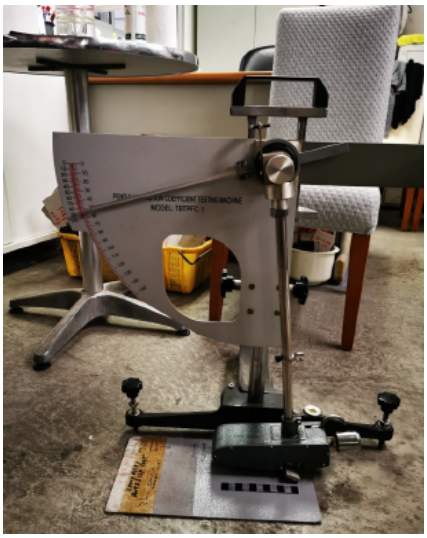
ACID CLEANER AND ANTI-SLIP TREATMENT

Location	Pendulum	Ramp
External ramp and slope (gradient not steeper than 1:14)	P4 (W)	R11
External ramp and slope (gradient steeper than 1:14)	P5 (V)	R12
Bus stop, taxi stand, passenger pick up	P4 (W)	R11
MRT station, bus interchange concourse / platform (internal)	P1 (Z)	R9
MRT station, bus interchange concourse / platform (naturally ventilated)	P2 (Y)	R9
MRT station, bus interchange entrances (prone to being wet)	P3 (X)	R10
Shop and supermarket [specific area where it may be prone to being wet]	P3 (X)	R10
Hawker centre / food court / fast food / food outlet / canteen dining area (internal or covered)	P3 (X)	R10
Hawker centre / food court / fast food / food outlet / canteen dining area (external)	P4 (W)	R11
Canteen stall and washing Area	P4 (W)	R11
Hospitals and aged care facilities – Dry areas	P2 (Y)	R9
Hospitals and aged care facilities – Ensuites	P3 (X)	R10
Communal changing rooms	P3 (X)	A
Swimming pool surrounds and communal shower rooms	P4 (W)	B
Swimming pool ramps and stairs leading into water	P5 (V)	C
Toilet / nursing room	P3 (X)	R10
Games court & gymnasium	P3 (X)	R10
Refuse bin centre	P3 (X)	R10
M&E plant room	P3 (X)	R10
Roof maintenance (accessible for maintenance personnel only)	P3 (X)	R10

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After treatment, pendulum test shows reading of 88. Any reading above 40 is safe.



Scrub the floor with the correct tools and wear gloves and goggles to protect yourself.





After treatment, free calcium may flow out from the cement joint.
It can be removed by scrubbing.
Suggest pre-treating the joint with SS10 before AS17 treatment.

Disclaimer:

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