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# 國泰塗料產品技術資料

## TECHNICAL DATA

### Anti-abrasive, Anti-skid Clear Top Coat AKOLON® AC-42G A/B

**AKOLON® AC-42G A/B** is a two component, solvent based silicone modified PU coating with special anti-skid texture designed for slip-resistance application in outdoor environment. Non-yellowing clear coat applicable on all types of flooring substrates such as marble, granite, PVC carpet, tiles etc. protecting the flooring from traffic abrasion, while ensuring sufficient friction to prevent accidental slippage.

#### PROPERTY

- Outstanding weathering resistance for durable use in exposed environment.
- Clear type, non-yellowing formula, will not affect original color of the substrate.
- Excellent water resistance, durable to washing and cleaning.
- High build film-form, excellent adhesion. High abrasion resistance to pedestrian traffic.
- Easy to apply by spray. Quick dry time.
- Applicable on various types of substrates.

#### MAIN USES

- Marble, granite, masonry, ceramic tile floor surface anti-skid treatment.
- Bathroom, kitchen floor, swimming pool side floor anti-skid safety treatment.
- Anti-chemical/contamination/abrasion treatment on natural material floor/stucco/tile /wooden carpet/marble etc .

## TECHNICAL DATA

Main Composition	Part A: Solvent Base Silicone modified PU Part B: Hardener
Viscosity	Part A: 300 ±500 CPS BROOKFIELD Part B: 100 ±300 CPS BROOKFIELD
Specific Gravity	0.9 ±0.1
Solid Content	>50%
Mix Ratio	Part A: Part B: 8:1
Pot Life	Within 30 min @25°C
Theoretical Coverage	0.3~0.4kg/m <sup>2</sup> in 2 coats

Physical Property	TEST	METHOD	RESULT
	Abrasion Resistance	ASTM D-4060 CS-17 1000turn/ 1000g	<0.1g
	Hardness	7 days and above	2H pencil
	Skid Resistance	ASTM D2047	0.2
Chemical Resistance	HCL 10%	JIS 5707 168hr Immersion	No Dissolution
	H <sub>2</sub> SO <sub>4</sub> 10%	JIS 5707 168hr Immersion	No Dissolution
	NH <sub>4</sub> OH 5%	JIS 5707 168hr Immersion	No Dissolution
	CH <sub>3</sub> COOH 15%	JIS 5707 168hr Immersion	No Dissolution

## SUBSTRATE CONDITION

- Substrate moisture content below 8% and cleaned by solvent or detergent first to ensure sound coating adhesion.
- Outdoor application requires two days of ample sunshine before and after application, temperature above 10°C, humidity below 85%. Application site should not be exposed to rain within 8 hours after application.
- Ensure good ventilation on site, application in enclosed indoor space is prohibited.

## APPLICATION TOOL

- Preferably applied by spray gun 2 mm Ø IWATA

## PACKING & STORAGE

Part A: 16KG/drum

Part B: 2KG/drum

Shelf life 12 month, stored under sealed condition in dry, well ventilated area at ambient temperature below 25°C, moisture below 85%. Avoid all sources of heat and ignition.

## SAFETY CAUTION

- Contains organic volatile solvent, ensure proper ventilation during application.  
Avoid sources of ignition. Equip applicator with carbon mask and gloves.  
Application in enclosed space is prohibited.
- Should allergy or discomfort arise during the use of the product, stop application and seek medical attention immediately.
- Store the product in cool, dry, segregated area away from children's reach.
- Highly flammable before cured, avoid all sources of ignition.
- Refer to Cathay Technical Data and Product Safety Report. Addition of diluent or other material is prohibited without Cathay's consent.

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