

## AQUASTOP PU-350

### Elastomeric 1K Polyurethane Waterproofing

#### PRODUCT DESCRIPTION

AQUASTOP PU-350 is a high-performance, 1-component polyurethane dispersion (PUD) designed for advanced waterproofing applications. This versatile, easy-to-apply coating forms a seamless, durable, and elastomeric membrane, providing a robust barrier against water infiltration.

- ▶ Single component; easy to use
- ▶ High Durability and Flexibility
- ▶ Excellent UV and Weather Resistance
- ▶ Excellent Adhesion to various substrates

#### DESIGN USE

As a waterproofing coating for exposed area, roof top, balcony, where high weathering resistant in demand. Suitable for long-lasting protection in both interior and exterior environments.

#### PHYSICAL DATA

Volume Solids	50 ± 2%
No. of Components	1
Number of Coats	2 (minimum)
Theoretical Coverage	0.37 - 0.74 kg/m <sup>2</sup> /Coat
(Note: Actual coverage varies based on substrate type, surface porosity, texture, and whether a primer is applied).	
Finish	Low Sheen
Colour Range	White, Window Grey RAL 7040
Elongation at Break	> 750% (ASTM D412)
Tensile Strength	> 4.5 MPa (ASTM D412)
Water Immersion	No blistering and peeling
Standard Packing Size	5.5kg, 22kg
Shelf-Life	12 months - Unopened

#### RECOMMENDED PAINTING SYSTEM

**Substrate: Concrete, Cement Screed**

<u>System</u>	<u>Product</u>	<u>No. of Coats</u>
Primer	Koresil 117 (Dilute 1:1 with water)	1
Waterproofing	AQUASTOP PU-350	2

(for maximum protection, apply 2nd coat at 90 degree angle to the 1st coat.)

Note: AQUASTOP PU-350 is limits to heavy traffic.





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**APPLICATION METHOD** Brush or Roller application  
 \* Stir the contents thoroughly before use. Thinning is normally not necessary  
 However, if required for better workability, do not exceed 5% dilution ratio.  
 Clean up equipment with water immediately after use.

<b>ADDITIONAL INFORMATION</b>	Thinner	Clean Water
	Thinning Ratio	Do not exceed 5% dilution ratio
	Cleaning Solvent	Clean Water
	Flash Point	Non-Flammable
	Storage Requirements	Cool, dry and well ventilated area away from heat and direct sunlight(5 ~ 35°C). Lid must be kept tightly closed

**SURFACE PREPARATION**

**New Masonry Substrates**

- ▶ All new surfaces should be dry out thoroughly preferably for at least 28 days drying time.
- ▶ The moisture content of the concrete surface should be checked and ensured to be below than 16% when measured with reliable moisture meter.
- ▶ All surface contaminants such as laitance, dust and loose cement shall be removed by using scraper, sandpapers and clean slit brushes.
- ▶ Structural cracks should be repaired with appropriate crack repair compound.
- ▶ Any holes and undulations should be resurfacing with appropriate floor patch.
- ▶ Roofing slab should be constructed to have slanting angle and drains to effectively drain off rain water (prevent constant water ponding)

**Previously Painted Surfaces**

- ▶ If fungus, algae, and moss is present, treat with "KCC Fungidal Solution"
- ▶ Make good minor defects with an appropriate suitable exterior putty sealant.
- ▶ For overcoating over old coatings, a high pressure water jet cleaning should be performed to remove all loose or defective paintwork or powdery residues.

**Application conditions**

- ▶ Ensure the surface is completely clean and dry.
- ▶ Ensure the relative humidity below 90% before painting.
- ▶ Ensure the surface temperature at least 3°C above dew point temperature.

**INSTRUCTION FOR USE**

**Application**

- ▶ Mix 1 part of KORESIL 117 and 1 part of clean water, then apply at 0.2 kg/m<sup>2</sup> to the surface to improve bonding.
- ▶ Apply a priming coat and let substrate saturate for 2 hours before applying the first neat coat.
- ▶ Using brush or roller, apply the first coat of AQUASTOP PU-350 on the surface. Apply the second coat perpendicular to the first coat. Allow it to dry completely, which typically takes about 2–4 hours, depending on the environmental conditions.
- ▶ Protect the application from rain until it has completely dried.

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### REMARKS

- ▶ Always conduct an application point test on small area. Check for any abnormalities and paint defects prior to painting.
- ▶ This product should only be applied over substrate that have been suitably sealed and primed.
- ▶ Avoid excessive thinning as it will results in colour difference, poor hiding power, poor finishing, and overall paint performance compromised.
- ▶ Always follow TDS recommended coating thickness and ensure uniform application thickness. Inconsistent film thickness will results in difference sheen level and unpleasant finishing.
- ▶ It is recommended to paint the same colour with same batch number, using same painting equipment and method and also follow instructed thinning ratio to ensure consistent painted finishing.
- ▶ Do not skip primer and sealer application as concrete primer and sealers will minimize efflorescence defects on humid area.
- ▶ Recommended to paint according to TDS and Application guide.  
*(Please consult with KCC customer service for any inquiries or browse to our website [www.kccpaint.com.my](http://www.kccpaint.com.my))*

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### SAFETY PRECAUTIONS

- ▶ Ensure adequate ventilation during application and drying.
- ▶ Avoid contact with eyes and skin.
- ▶ In case in contact with skin, wash immediately with plenty of soap and water.
- ▶ Keep out of reach of children.

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### HANDLING PRECAUTIONS

- ▶ This product should be stored in its original container in a shaded, cool, and well-ventilated warehouse.
- ▶ The recommended storage temperature is 15-35°C.
- ▶ Protect the product from rain, sunlight, UV rays, flames, and heat.
- ▶ Proper care must be taken during transportation. Failure to follow these storage guidelines may lead to premature deterioration and a reduced shelf life.
- ▶ When reopening the product for reuse, remove any formed skin and stir thoroughly before using.

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### FIRST AID

<b>Eyes</b>	Rinse immediately with plenty of water and seek medical advice.
<b>Skin</b>	Wash immediately with plenty of soap and water.
<b>Inhalation</b>	Remove to fresh air, loosen collar and keep patient rested.
<b>Ingestion</b>	Do not induce vomiting. Seek medical attention.

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### DISCLAIMER

*The above information is given to the best of our knowledge based on laboratory testing and practical experiences. The information in this data sheet may be subject to changes from time to time and without notice due to production refinements arising from continuing research and evaluation programmes which may occasionally result in marginal changes in the coating properties.*

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<b>REVISION DATE</b>	2/12/2024
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