

## KORESIL 117

### Penetrating Concrete Sealer

#### PRODUCT DESCRIPTION

Koresil 117 is a high-performance, water-based penetrating sealer designed to improve top coating adhesion to difficult substrate. Formulated to have excellent penetration into concrete and shields against water absorption, slightly tacky sealer finishing improves top coating adhesion to the substrate. This eco-friendly, low-VOC sealer is suitable as sealer for waterproofing systems and chalky plastering surfaces.

- ▶ Easy application
- ▶ Deep penetration to concrete surfaces
- ▶ Excellent UV durability
- ▶ Excellent water resistance
- ▶ Promotes intercoat adhesion to concrete and mortars

#### DESIGN USE

Use as waterproofing product sealer, sealer for single pack floor coating, sealer to fix chalky skim coat. Ideal for both interior and exterior applications.

#### PHYSICAL DATA

Volume Solids	30 ± 2%
Number of Coats	1
Theoretical Coverage	0.21 - 0.34 kg/m <sup>2</sup> / Coat
<small>(Note: Actual coverage varies based on the substrate condition, application method, environmental conditions during application, and the desired finishing appearance.)</small>	
Colour	Milky
Form	Emulsion
Finish	Gloss
Colour Range	Clear
No. of Components	1
Standard Packing Size	4KG, 15KG
Shelf-Life	12 months - Unopened

#### RECOMMENDED PAINTING SYSTEM

<b>Substrate: Concrete, Masonry, Plaster</b>		<b>No. of Coats</b>
<b>System</b>	<b>Product</b>	
Sealer	Koresil 117 (Dilute 1:1 with water)	1
Finish	AQUASTOP Series	2

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**APPLICATION METHOD** Brush, Roller or Spray 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.

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<b>ADDITIONAL INFORMATION</b>	Thinner	Clean Water
	Thinning Ratio	Dilute 1 to 1 with clean water before used.
	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

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**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.

**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.

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**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 SERIES on the surface.

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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 concrete, plaster and masonry substrate that have been suitably sealed and primed
- ▶ Avoid excessive thinning as it will result 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 result in difference in 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.
- ▶ During spray application, do not breathe in mist and wear suitable respiratory protective equipment.
- ▶ Keep out of reach of children.

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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>	17/12/2024
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