

KORESIL 401

Interior / Exterior Sealer

PRODUCT DESCRIPTION

A premium alkaline resistant methyl methacrylate solvent based sealer.

- ▶ Excellent penetration and adhesion properties
- ▶ Low VOC

DESIGN USE

As a sealer coat for interior and exterior such as concretes, masonry surfaces, wall, ceilings, and soft board surfaces where it is suitable for new, repainting objects and in areas where higher moisture tolerance is needed. It can also be used for fresh concrete after 7 days curing (if substrate pH is less than 13).

PHYSICAL DATA

Volume Solids	30 ± 2%
Dry Film Thickness (DFT)	30 μm / Coat
Wet Film Thickness (WFT)	100 μm / Coat
Number of Coats	1
Theoretical Coverage	9.8 m ² /L/coat
Finish	Matt
Colour Range	White <i>(Please consult KCC representative for custom colours)</i>
No. of Components	1
Standard Packing Size	1L, 5L, 20L
Shelf-Life	12 months - Unopened

RECOMMENDED PAINTING SYSTEM

Substrate: Concrete, Masonry, Plaster

<u>System</u>	<u>Product</u>	<u>No. of Coats</u>
Sealer	Koresil 401	1
Finish	Vinyl Fresh / Korever	2

Substrate: Previously Painted Concrete, Masonry, Plaster

<u>System</u>	<u>Product</u>	<u>No. of Coats</u>
Sealer	Koresil 401	1
Finish	Vinyl Fresh / Korever	2

KORESIL 401

APPLICATION METHOD

Brush, Roller or Spray application

* Stir the contents thoroughly before use. Thinning is normally not necessary. However, if required except for absorbent surfaces and better workability, do not exceed 5% dilution ratio. Clean up equipment with Thinner 56 immediately after use.

DRYING TIME

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval	
			Minimum	Maximum
15°C	50 Min	2.5 Hr	4.0 Hr	N/A
25°C	20 Min	1.5 Hr	2.0 Hr	N/A
35°C	10 Min	1 Hr	1 Hr	N/A

ADDITIONAL INFORMATION

Thinner	Thinner 56
Thinning Ratio	Do not exceed 5% dilution ratio.
Cleaning Solvent	Thinner 56
Flash Point	27°C
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 12% 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.
- ▶ If applied on fresh concrete after 7 days, ensure pH is less than 13.

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.

KORESIL 401

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)

SAFETY PRECAUTIONS

- ▶ Ensure adequate ventilation during application and drying.
- ▶ Avoid contact with eyes and skin.
- ▶ In case of 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.
- ▶ This product is flammable.

FIRST AID

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

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.

REVISION DATE	12/4/2024
REVISION NO.	3.0