



SIRIM
ECO-LABEL
Licence No : ECO 013

Koresil 450

Koresil 450 is a water based, premium quality styrene acrylic wall primer / sealer, specially formulated for effective sealing of concrete masonry surfaces. It provide a sound basecoat foundation and exhibit outstanding adhesion and alkali resistant properties. Koresil 450 is produced with environmental friendly ingredients to comply with low VOC requirement and SIRIM Eco-label.

Recommended Use : Koresil 450 is usually used as a primer / sealer together with a wide range of recommended KCC finishing topcoats for both new construction and repainting works. It is recommended for interior and exterior application, and Koresil 450 provide a sound foundation basecoat to enhance the subsequent finishing topcoats for a longer lasting protection and durability.

Technical Information

Vehicle Type	: Styrene Acrylic Emulsion
Finish	: Matt
Component	: Single pack
Color	: White, custom colors possible on request. <small>(Please consult your KCC representative)</small>
Volume Solids	: Approx. 35%
Drying By	: Evaporation, Coalescence
Flash Point	: Non Flammable
Specific Gravity	: 1.20
Dry Film Thickness (Dft)	: 30 - 40 microns / coat
Viscosity (ASTM D-562)	: 100 KU (± 5)
Shelf Life	: Minimum 1 year - unopened

Application Details

Apply Over	: Prepared Substrates or New Masonry
Topcoat / Finishing	: Korever / Korevon / Korevon SolarShield / KoreCare
Application Methods	: Brush / Roller / Spray
Wet Film / Coat	: Approx. 60 - 70 microns
Dry Film / Coat	: Approx. 30 - 35 microns
Drying Time	: Touch 30 mins Recoat 45 mins
Theo. Spreading Rate	: Approx. 12 m ² / litre*, may vary depending on roughness and porosity of substrates
No of coats	: 1 coat
Clean Up	: Clean Water
Packaging	: 18 litres

* When estimating paint quantity, please make provision for spray or application losses since spreading rate may vary depending on the surface roughness and porosity of the substrate.

Surface Preparation

New Masonry Substrates

Allow all new surfaces to dry out thoroughly, preferably for at least 28 days drying time or check moisture content for less than 12%. Surface imperfections, misalignments and protrusions shall be made good and patched up.

Previously painted surface

All loose or defective paintwork or powdery residues shall be thoroughly removed by high pressure water jet cleaning. Treat any areas affected by mould, lichens, algae and moss with "KCC Fungicidal Solution". Make good minor defects with an appropriate suitable exterior putty sealant.

Typical Painting System

<u>Substrate</u>	<u>1st coat (Sealer)</u>	<u>Finishing (2 Coats)</u>
New and bare surface	Koresil 450	Korever / Korevon
Previously Painted Surface	Koresil 450	Korever / Korevon

Application

Stir thoroughly to a uniform consistency before use. Thinning is normally not necessary, however if required except for absorbent surfaces and better workability, thin with a small quantity of clean water.

Suitable for application by brush, roller or spray. Apply paint evenly by brush or roller, and avoid any missing areas. Spraying is recommended, and typical equipment, especially airless spray should employ a fluid tip / needle size at least 0.021".

Cleaning

Remove as much product as possible from application equipment before cleaning. Clean equipment immediately after use in warm soapy water and rinse thoroughly. Do not empty product into drains or watercourses. Replace lid firmly.

Technical Services

KCC maintains a technical division to investigate and advise on all problems related to our product application. The division will advise on the correct selection of and specification for the required painting system. Contact the division through KCC Sales department.

Safety Precaution

- Ensure good ventilation during application and drying.
- Avoid contact with skin and eyes.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- After contact with skin, wash immediately with plenty of soap and water.
- When spray, do not breathe in spray mist, wear suitable respiratory protective equipment.
- Keep out of reach of children.

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.