

# SCM-1K WPU

Single component water based waterproofing membrane

SPECIAL COATING MATERIALS

**SCM**  
INTERNATIONAL

## DESCRIPTION

SCM-1K WPU is a single component eco-friendly product by reacting acrylic polyurethane resins. It shows durability and elastic seamless waterproofing features with anti-biotics function. It can provide customized elegant color and has the characteristics of true protective functions.

## FEATURES & BENEFITS

- Eco-friendly aqueous elastic coating film
- Easy to apply (single component type)
- Seamless elastic coating agent
- Excellent workability and elongation
- Water-soluble, odorless, non-toxic material

## APPLICATIONS

- Foundation walls
- Roof of the building
- Apartment, Balcony and Utility room
- Wet rooms
- Shingle areas
- Fibrous cement
- Corroded metal
- Galvanized steel
- Inorganic topcoat

## DATA SHEET

Analysis Items	Unit	ASTM	SCM-1K WPU
Finish and color (Customized)	-		BLUE, GREEN, GREY
Stability	at 25°C		10 months
Tack Free Time	at 25°C, 60% RH		>3 hours
Recoating	at 25°C		Interval 1 day
Viscosity	cps/25°C	D2196:15	1,000 - 3,000
solids content	-	D2369:10	62±2
Specific Gravity	-	D1475:13	1.20±0.10
PH	pH meter		8.0±1
Hardness (shore A)	-	D2240	40±5
Tensile strength	N/mm <sup>2</sup>	D412	>3.6
Tear	N/mm	D412	>19
Elongation	%	D412	>320%

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## **SURFACE TREATMENT WITH PRIMER**

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- Concrete substrate must be sufficiently cured(curing more than 30 days)  
Conditions : Humidity(<10%), Temperature(7-35°C), Hardness(15MPa)
- Dust, oil, grease, laitance and other contaminants must also be removed
- Fill up the surface irregularities, or holes with appropriate filling materials such as putty  
apply to severe cracks and expansion joints after V-cutting sealing
- Apply PU or Epoxy type as primer on the substrate with 0.3-0.4kg/sqm dosage

## **SCM-1K WPU APPLICATION**

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- Apply in one-sided direction with brush or roller after checking primer drying
- Please don't make thick membrane for first coating
- Check the drying condition of 1<sup>st</sup> coating and any pinholes before considering 2<sup>nd</sup> coating
- Apply 2<sup>nd</sup> coating in opposite direction of 1<sup>st</sup> coating
- 3<sup>rd</sup> final coating way is same as 2<sup>nd</sup> coating direction
- 3<sup>rd</sup> coating is optional depending on sites requirements
- Highly recommended that dilution with water for airless spraying

## **APPLICATION METHODS**

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Roller, Brush, Airless spray(low viscosity at around 1,000 cps)

## **STORAGE**

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Store SCM-1K WPU in proper storage conditions as per the local regulations  
Keep the unopened container in sealed condition under shed, away from direct sunlight  
and extreme temperatures. Do not allow product to freeze and protect from direct sunlight