



# **Technical Data Sheet**

(SHC-1000M)

STARKEMER CO., LTD.



# **SHC-1000M**

#### Overview of Product

SHC-1000M is water solubility transparent coating and primer material consist of organic and inorganic complexing resin with a 1-liquid. It doesn't smell and has rapid hardening, require long pot times, so usability is far superior in water solubility type. Also, the product has high abrasion resistance, fouling resistance with superior properties after coating formation.

#### General Characteristics

- It doesn't smell and has long pot times and rapid hardening.
- The product is harmless to the human body and can reduce environmental pollution by water solubility.
- · Repainting is possible.
- · Usability is far superior in a 1-liquid.

### Usage

Coating of flooring for interior design.

#### Mix Proportion And Surface Finishing

- Mixing Ratio (Weight Ratio)
   One Component type
- Surface Finishing
   Gloss: Semimatt

Color : Transparent

• Suggested Coating Thickness
The norm of painting for once, 50μm ~ 100μm
(Refer to 'Specifications of Painting'.)

# Physical Properties

· Liquid Physical Properties

Inquite the portion						
Test details	Unit	Measured value		Test condition		
color	-	White				
Mixing viscosity	cps	10~30		Ford cup #4, 25℃		
Specific gravity	-	1.0~1.1		25℃		
Pot time	min	More than 5		100g× <mark>25℃</mark>		
solidified powder	%	30~35		Theoretical value		
Curing time	Temperature		10℃		20°C	30℃
	Set to touch		2Hours	1Hour		0.5Hours
	Dry hard		12Hours	6Hours		3Hours
	Full cure		7Days		6Days	5Days

X The test result that is laboratory environmental standards may differ due to environment (flat surface, wind, humidity etc.) for scene implementation.

### · Peculiarity of Dry Paint Film

	Test details	Test result	Test condition	
Chamical	5% NaOH×20℃×168h	Nomal	KS M 6030	
Chemical Resistance	5% H₂SO₄×40°C×24h	Nomal		
	3% NaCI×20℃×24h	Nomal		
Water Distilled water × Ordinary resistance temperature × 168h		Nomal	KS M 2812	
resistance	temperature × 1000			

#### Specifications of Painting

System of Painting

A. Transparent coating system(Dry surface basis)

One-time painting criteria 50	One-time painting criteria 50~100µr	
	50µm	SAC-1100M(Primer)
		Cement Floor
	50µm	SAC-1100M(Primer)
		Surface

- Properties of System : Superior gloss

B. Transparent coating system(Dry surface basis)

One-time painting criteria 50~100µl	SHC-1000M (Transparent coating) SHC-1000M (Transparent coating)
	Cement Floor
50µm	SAC-1100M(Primer)
	Surface

- Properties of System : create semimatt effects

Method of Painting

A. The working hand tools of recommendation

Film thickness(One time painting)	Working hand tool
50μm ~ <b>100</b> μm	Two-way roller in water-oil

B. Theoretical spread rate :

Dry film thickness for one time based on 75μm, 0.25kg/m².

\*\* The product may change depending on concrete or surface condition because difference of absorption rate for theoretical spread rate. Also, it should be repainting when necessary, if absorption rate of surface is big, decline of luster can appear partially.

# Directions For The Use

- The temperature in appropriate to more than 10°C for painting and curing Avoid using it if relative humidity is more than 80% and surface temperature must be 3°C more than dew point.
- Use paint after force the paint temperature to be over 10°C in the winter season. When the surface temperature has low temperature of less than 10°C, it will result in quality defect by the delay of curing velocity and appearance problems or Ice-formation phenomena and others.
- The decline of luster can appear, thus, additives separate by low viscosity. So, before use, the product should be well shaken.
- Make sure that there is adequate ventilation in the indoors during using paint and remember to wear respiratory protective equipment in an enclosed space. For the heated product, use exhaust ventilation to remove vapor.
- For more informations, Please refer to the notice in the product label and the Material Safety Data Sheet(MSDS) of each products.

### ■ Method of Product Storage

- This paint must be kept hermetically sealed airtightly and keep this paint out of the direct rays of the sun and avoid humidity.
   (Storage temperature: Room temperature)
- · Store paint in a cool dry place.
- Once opened, use an entire quantity because the hardner acquiring the property of moisture absorption is respond to moisture in the air.

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# **SHC-1000M**

### Product Mark Demonstration

Product code demonstration

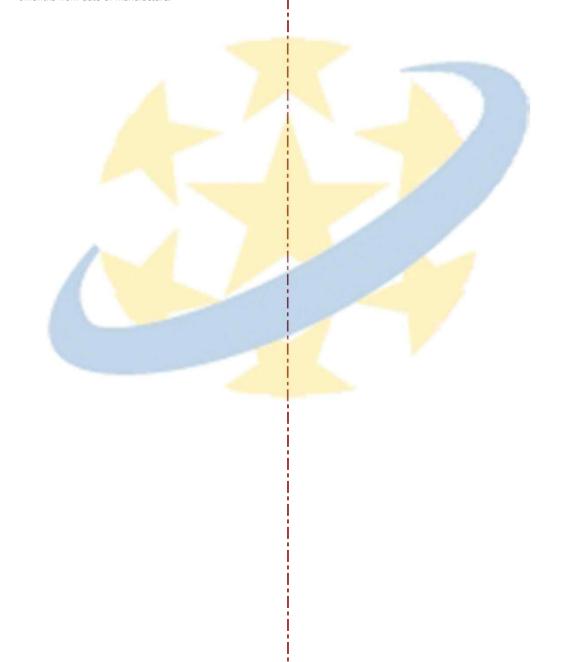
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Manufactured year Manufactured month Manufactured date Serial number

- · Product label marking
  - Name of product, weight of Lot No., directions for the treatment, etc.
- · Packing unit
  - 10kg

\* The packing unit can be changed as customer requests.

- · Preservation Period
  - 6months from date of manufacture.



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