

## KIKUSUI PERMEABLE PRIMER

Cation-based acrylic resin emulsion undercoating

### KIKUSUI Permeable Primer

#### Properties

1. Superior Permeability
  - Contains high permeable agent and provides superior permeable property to various surfaces.
2. Most suitable to reforming.
  - Superior adhesion strength to old paint film a substrate and elastic top coating.
3. High safety
  - Less environmental burden and can be used at exterior and interior.
4. Easy handling
  - No need to dilution.

#### Usage

Undercoating at reforming

Undercoating on concrete, mortar or ceramic siding

Undercoating on paint beside 2-pack, reactive top coating and multi-layer coating RS

#### Suitable Surface

On mortar, concrete surfaces, ALC panel and etc.

#### Package available

- 15Kg/can



Application	Materials and Ingredients	Construction equipment and conditions	No. of layers	Interval time (23°C)	Theoretical spreading rate (Approx.)
Substrate preparation (New surface)	The substrate surface shall be dry and clean. All loose coating, any laitance, efflorescence, dust, rust or oil grease must be removed completely by brushing, sanding or other effective means.				
Substrate preparation (Old surface)	All defective areas, hollow plasters and spoiling concrete must be hacked off. Defective wall surface must be repaired by filling cracks or re-plastering of hacked off portions. To paint area must be cleansed by high pressure water jet with 1,500 psi and all surface be of the sound, clean, dry and sufficiently smooth before paint.				
undercoat	Kikusui Permeable Primer E Volume: 15 kg/can No Dilution	Brush Roller Spray	1	3 hours or above	80~150m <sup>2</sup> /15kg 0.10~0.19kg/m <sup>2</sup> 0.1kg/m <sup>2</sup> or less
Topcoat	Kikusui Waterborne Fine Coat Silicon Volume: 16 kg/can Water: 0.8~1.6 L	Brush Roller Spray	2	5 hours or above	45~64m <sup>2</sup> /16kg 0.25~0.36kg/m <sup>2</sup> 0.2kg/m <sup>2</sup> or less

\*Above figures are all standard values. It varies depending on the construction methods and surface conditions.

\*Use anti-rust primer in case of applying on metal surface. (Recommendation: SP Power EPO)

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#### Instruction For Use

##### Substrate Preparation

- [1] If the groundwork is concrete or mortar, dry the groundwork should be sufficiently dry, and the water content should be 10% or less and pH 10 or less
- [2] If there are hollow, step joint, etc. in the external base, repairing by "BR-15" repair mortar
- [3] For extruded cement plates, GRC plates, etc., using "Kikusui Primer EP W" and "Water Barrier Epo" as the underlying coating material.
- [4] If there is a problem with the ALC panel, porous substrate, rough surface, or other substrate, please perform ground treatment with cement-based adjustment coating material "BR#15".
- [5] Please handle cracks, damage, floats, etc. of the ground appropriately using the BR method, etc.
- [6] Please remove the floating, peeling, choking layer, etc. of the old coating film before application.
- [7] To select an appropriate primer/sealer for calcium silicate plate, slate plate, etc.
- [8] When apply the coating on sealing materials, contamination and poor adhesion may occur depending on the type of sealing material, etc. For details, please contact our sales office.

##### Application

- [1] In determining colors and patterns, in principle, prepare a paint sample and receive approval by project architect and main contractor.
- [2] Understanding for the procedure for each process as necessary.
- [3] Various defects may occur if theoretical spreading rate is not reached or exceeded. Please follow the theoretical spreading rate.

##### Materials

- [1] Do not store materials in direct sunlight or below 0°C.
- [2] When handling solvent-based products, paying special attention to fires and strictly comply with Legislations on chemicals in Hong Kong and Macau.
- [3] Ventilate shall be sufficiently at the time when application of painting.

#### Application Method

##### 1. Handling of materials

- [1] Mixing the products uniformly with an industry electric hand mixer before use.
- [2] Products that require thinner dilution should be uniformly diluted in the appropriate amount and in an appropriate way using the specified dilution material.
- [3] Two components products, the main material and the curing agent should be followed and blended in a specified ration and mixed with a industry electric hand mixer. In particular, when using in small part, please weigh accurately with a weigher. Use up the product after mixing within the plot life. In addition, the plot life changes depending on the temperature and dilution, so please use it up as soon as possible after mixing.
- [4] Do not dilute pre-blended materials or mix them with other's materials.
- [5] For more information, please refer to the Safety Data Sheet (SDS, formerly MSDS).

##### 2. Undercoat

- [1] Applying the underlying coating shall be uniformly especially for corners area.

##### 3. Main material coating

- [1] Double check the data and information between bulk order material and approved sample board before application.

##### 4. Coating

- [1] The top coating should be painted twice as standard. To prevent paint color uneven.
- [2] The dilution rate of the coating material is determined by test coating on site and using it with the same dilution rate in bulk materials. The dilution rate changes depending on the color tone and temperature during application.

##### 5. Construction method

- [1] Please follow the requirements and interval times by specification and application manual.

##### Application management

- [1] Do not apply paint if the temperature is 5°C or less on the site, the humidity is 85% or more.
- [2] Avoid apply paint if there is a risk of rainfall, condensation, snowfall, or strong winds.
- [3] When apply paint under direct sunlight, proper protection should be made to prevent a sudden rise in the temperature of the substrate.

##### Cleaning Up

- [1] Clean all equipment and tools with clean water immediately after use

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#### Other precautions

[1] Do not let waste water (such as waste water after cleaning of equipment) flow out into rivers or the soil

[2] Acid for cleaning porcelain tiles may change color or dissolve when attached to the paint surface. If there is a possibility that acid for cleaning porcelain tiles may adhere to the painted surface, be sure to provide a protection film the painted surface.

[3] There may be some color differences depending on the construction method such as brush, roller, spray, etc.

[4] When constructing on light weight mortar, ALC panels, highly insulated ceramic siding and foamed urethane, swelling and swelling of the coating film may occur depending on conditions such as heat storage, water effects, underlying conditions, and the environment at the time of painting.

[5] JIS 6909 Finishing coating material for applying multilayer finishing coating materials are not JIS standard products unless the underlying material, main material, and coating material are specified by the same manufacturer.

[6] Glossiness may look different depending on the pattern of the coating, film thickness, color, number of layers of coatings, dilution rate. In addition, it is easy to create gloss unevenness at the coating joints when brushing and roller painting.

In addition, the matt color paint may get white and color changed onto the coating film at low temperatures and under high humidity.

[7] Colors close to dark or primary colors may color changed when the coating is strongly abraded.

[8] if you want to paint bright colors for topcoat such as yellow, red, blue, green, etc., please paint a same background color in advance to improve concealment.

[9] Saturated color eyes may experience fading and color differences early.

[please select the under coating material depend on the type of topcoat.

\*The contents of this specification are subject to change without notice. Always refer to the latest specifications when application.