

KC-077

## CRYSTALLINE SILICATE PENETRATING WATERPROOF POWDER

This reactive penetrating product is a one part waterproof material that consist both organic and inorganic chemical components, quartz and concrete sand. The special chemical ingredient of crystalline silicate can easily react with the moist inside the concrete base, and further creates a cross-linking insoluble structure. The structure can be resist erosion of most salt, alkaline and salt water after Crystalline Silicate Penetrating Waterproof Powder is fully reacted on the surface.

### Details

- Waterborne, environmental, odor-less and inflammable.
- Perfect to application on front and back of concrete structure surfaces.
- Perfect to application onto humid surface.
- Holes and cracks can be patched with size smaller than 0.4 mm.
- Excellent efflorescence, mold and mildew resistance.
- Excellent resistance to static water pressure.

### Recommend Uses

- Interior and exterior concrete surfaces.
- Concrete Block, CMU, Brick Stucco, Cement, Concrete Surface and Cement Composition Siding / Panel.
- Wall, Floor, Rooftop, Pond, Sewage Plant, Basement, Tunnel, Parking Lot, Swimming Pool and etc.

### Applications

#### Surface Preparation

- All new masonry, concrete, cement or block must be cured for 30 days at recommended.
- Remove all loose paint and defective paint if possible, oil, fluid, moss or other substances on the surface. In severe cases, wash the surface with water, make sure the surface is completely dried and

clean. All holes cracks must be properly patched.

- The application requires adequate pores on the surface for sufficient chemical penetration. If the surface is too smoothly, please use the high pressure water sprayer, spraying sand or other methods to roughen the surface for the best result.

### Application Details

- Product must be completely agitated (mechanically or manually) before use.
- Intermix Crystalline Silicate Penetrating Waterproof Powder to water with ratio of 3:1 or 2:1 (can be adjusted for the application easiness).
- Please apply the application within 30 minutes after the mixture has been completed.
- Application of two coats at the recommended film thickness / practical coverage when application to new surfaces.
- Dilution is not recommended after the mixture has been completely reacted and hardened.

### Technical Data

Property	Value
Tools	Hard Nylon Brush, Sponge Paint Roller, Sprayer
Drying Time	Fully Dry 7 Days (at 25°C)
Coverage	0.48-0.8 kg/m <sup>2</sup> By Brush , 0.48-0.64 kg/m <sup>2</sup> By Sprayer
Thickness	Dry 200 µm
Available Sheen	Flat
Density	1.5 kg/L
Viscosity	Solid
Solid Content	Solid
Available Size	1 Gallon, 5 Gallon
Thinner	Water
Shelf Life	36 months unopened condition
Color	Gray White

Drying and recoat times are temperature, humidity, and film thickness dependent.

Practical coverage is for reference only, which can be differ depending on the brushing surface, flatness and film thickness.

**These figures are only intended as a guide and should not be used in preparing specifications.**

### Storage

Product should be store in the dry and cool area, please avoid direct sunlight contact to prevent deterioration.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

After container is opened, use the product immediately and prevent long-term storage.

### Cautions and Safety

- Do not use if rain or heavy dew is expected within 24 hours.
- Avoid applying the product when the temperature is below 50°F.
- KEEP OUT REACH OF CHILDREN – DO NOT TAKE INTERNALLY.
- When spraying. Do not breathe spray, wear suitable respiratory protective equipment.
- Avoid direct contact with skin and eyes.
- In case of contact with eyes, rinse immediately with plenty of water and seek for the medical advice.
- After contact with skin, wash with soap and water.
- Safety Data Sheet (SDS) is available on [www.kingcatpaint.com.tw](http://www.kingcatpaint.com.tw).

### Disclaimer

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of Yulung Paint. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Yulung Paint representatives or visit [www.kingcatpaint.com.tw](http://www.kingcatpaint.com.tw) to obtain the most current version of the Technical Data Sheet and / or a Safety Data Sheet.