



Bonndeco Silicone Shield

Modified Acrylic Silicone Resin

Product Description

Bonndeco Silicone Shield interior and exterior wall paint is an environmentally friendly composite coating made of silicon-modified super weather-resistant emulsion, high quality weather-resistant pigments and additives. It combines organic and inorganic coating by introducing silicone into the acrylic system, thus giving the product super weather resistance, temperature change resistance, light and color preservation, carbonation resistance, stain resistance and high water repellent and water permeability, etc. It is used for the interior and exterior painting of various high-grade buildings.

Features & Benefits

- ✓ Outstanding weather resistance, light and color retention, and excellent resistance to chalking, protecting the wall surface for a long time.
- ✓ Excellent stain resistance, alkali resistance, water resistance, temperature change resistance.
- ✓ Excellent water repellent and water permeability, which can prevent the accumulation of moisture in the substrate and make the paint film less likely to blister and peel off.
- ✓ Good anti-mold and anti-algae properties can effectively inhibit the growth of mold and algae substances, lasting protection of wall surfaces.
- ✓ Very low VOC, no APEO, environmentally friendly paint.



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Typical Painting System

Preparation	System	
Surface should be smooth, clean and dust free.	Sealer	Bonndeco Ultra Sealer (1 coat)
	Compound	Bonntile Pen Compound (1 coat) (Optional)
	Topcoat	Bonndeco Silicone Shield (2 coats)

Technical Data

Application Surfaces	It is suitable for the application to exterior/ interior surfaces of the following substrates: - Precast Concrete Poured in Place Concrete, Plaster (mortar), Stucco GRC, Tile Filler, Existing paint film
Application Locations	It is suitable for the application to exterior/ interior surface of the following locations: - Walls and columns, Ceilings and beams, Fence walls, Roof parapets, Bends, etc.
Application	Roller, Spray, Brush
Glossiness	Matt, Semi-gloss, Gloss
Color	Standard color Chart from Bonndeco or tailor made color
Package available	20kg/can
Thinning ratio	5 – 10%
Drying time	At least two (2) to eight (8) hours, depending on the weather condition at the time of application.
Theoretical spreading ratio	Approximately 60 - 80 m ² / 2 coats / can

Remarks:-

1. The recommended coverage rates, including those of normal wastage, are for reference only. Actual coverage may vary depending on the working condition of the site, the degree of evenness and smoothness of the substrate surface, and the pattern of the texture sample as selected and approved by the architect or client.
2. We reserve the right to change or adjust the composition of material used in the specification of our products due to our constant research and development to improve the quality of our products.

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BONNTILE HONG KONG LTD

Surface Treatment & Condition Requirement

New Surface

- Substrates must be properly cured before applications.
- Application surface must be smooth and free of voids or sharp projections.
- Any application surface such as precast concrete, with excess pinholes, honeycomb, cracks, uneven or porous condition, should be filled up prior to the application.
- Any application surface, with laitance, efflorescence, dust, rust, oil grease, curing agent etc. must be removed completely by brushing, sanding or other effective means.
- Recheck surface after repair to assure satisfactory condition prior to Bonndeco application.

Old Surface

- All loose coating on the application surface should be removed by wire brushing, Sanding or other effective means.
- Any laitance, efflorescence, dust, rust or oil grease must be removed completely by brushing, sanding or other effective means.
- All defective areas, hollow plasters and spoiling concrete must be hacked off.
- Defective wall surfaces must be repaired by filling cracks or re-plastering of hacked off portions.
- To paint areas must be cleansed by high pressure water jet at 1,500 psi and all surfaces should be of the sound, clean, dry and sufficiently smooth that accepted as an appropriate substrate for the application of Bonndeco Products.

Fungus

Remove by high-pressure water jet wash and treated with anti-fungus solutions. Allowed to dry before painting.

Grease

Clean Off with mild detergent and a little solvent. Wash thoroughly to remove all trace.

Application Procedure

- Shake and stir thoroughly to get a complete dispersion of pigment.
- Use standard practice, either by rolling, brush or spraying, to ensure conformance to the specification requirement.
- Drying time may take at least two (2) to eight (8) hours at 10°C - 20°C
- Workers, applying in confined areas, are required to wear protection masks and exhaust ventilation should be properly supplied to the confined area.

Precautions in use

Handling and storage

- Do not use near flames
- All workplaces to always have specific ventilating equipment in operation.
- Particular precautions to be taken for good ventilation during application and while drying, and precautions taken to avoid any inhaling of fumes.
- During handling, precautions to be taken to avoid any skin contact and as necessary, gas mask against organic gas or fresh air supplying masks to be worn and also use head towels, wear protective eyeglasses, long sleeved protective gowns, neck protecting towels, protective gloves, etc.
- When coat is spilled, wipe with waste cloths to be kept stored in water filled containers.
- Until final disposal, all waste cloths that have been exposed to coat, hardeners or thinners, and leftover coat, spray dust, etc. for disposal shall be kept doused in water filled containers.
- After handling or application, hands to be thoroughly washed and extensive gargling is advised.
- The handles on the upper part of the tin containers are solely for carrying the tins. Please do not use ropes and hooks on the handles for hanging the tins.
- During storage, containers are to be tightly sealed and stored out of any direct sunlight or any exposure to rain, in a cool, well ventilated area.
- Please store away from any foreign instruction by third parties and out of the reach of children.

Cleaning Up

- Clean all equipment with clean water immediately after use.

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