

TECHNICAL DATA SHEET

Bonn HB Surfacers R

Synthetic resin emulsion

Product Description

Renovation coating system is a single component water borne, high solids, with advance technology of core-shell active acrylic copolymer elastic resin which offers elastic film to cover hair-line cracks, largely extend maintenance cycle and good recoatability. It can be applied over a wide range of old building by roller, when used in combination with appropriate primer/sealer.

- Features & Benefits
- Fills up hair cracks
- Excellent adhesive strength
- Excellent water resistance
- Saves time and money for renewal works
- Safe to use, odourless
- Low VOC content



Perfect for hair cracking and areas of low solvent resistance

Properties			
Test Items		Test Result	Standard
Low Temperature Stability JIS K6916		Passed	No lump, separation
Cracking Weatherability for initial drying JIS K6916		Passed	No Crack
Impact Resistance JIS K6916		Passed	No Crack and peel
Bond Strength JIS K6916	Normal (N/mm ²) (kgf/cm ²)	1.5 {15.3}	0.7 {7.1} or above
	After Immersion (N/mm ²) (kgf/cm ²)	0.5 {5.1}	0.5 {5.1} or above

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 of the quality of our products.



Application Surfaces

It is suitable for the application to exterior /interior surfaces of the following substrates:-

- Acrylic, PU, acrylic silicone on texture or non-texture paint
- Sandtex
- Spray stone
- Stucco & etc.

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 or Mastic Roller

Glossiness

Matt

Color

White

Package available

16kg/can

Thinning ratio

0 ~ 3%

Drying time

Over 16 hours and under 7 days

Theoretical spreading ratio

Approximately 12-15m² /coat/can

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Typical Painting System		
Preparation	System	
Surface should be smooth, clean and dust free.	Sealer	Bonn Cation Primer (1 coat)
	Intermediate	Bonn HB Surfacer R (1 coat)
	Topcoat	Bonntile Topcoat Series (2 coats)

Surface Treatment & Condition Requirement

New Surface

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

Old Surface

- a. All loose coating on the application surface should be removed by wire brushing, Sanding or other effective means.
- b. Any laitance, efflorescence, dust, rust or oil grease must be removed completely by brushing, sanding or other effective means.
- c. All defective areas, hollow plasters and spoiling concrete must be hacked off.
- d. Defective wall surfaces must be repaired by filling cracks or re-plastering of hacked off portions.
- e. 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 Bonntile 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) or 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.

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