

TECHNICAL DATA SHEET

Bonndeco Fine Urethane

Modified Acrylic Polyurethane Resin

Product Description

Bonndeco Fine Urethane is an especially high performance and durable modified acrylic polyurethane paint for applying on new and renovation project for internal and external wall. The resin particles fuse together forming a markedly durable paint as the water evaporates, providing a highly dense colored film. It is tough and abrasion-resistant, providing good chemical and solvent resistance, weathering properties, gloss retention and the one-pack formulations are sensitive to moisture in the wet stage, with an outstanding resistance to humidity, acids and alkali.

Features & Benefits

- Good Water & Alkali Resistant
- Good Weather and Scrub Resistant
- Anti-dirt, Excellent washability
- Anti-carbonation
- Good UV resistant
- Algae and Fungus resistant

Typical Painting System		
Preparation	System	
Surface should be smooth, clean and dust free.	Sealer	Bonndeco Ultra Sealer (1 coat)
	Topcoat	Bonndeco Fine Urethane (2 coats)

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.

Remarks:-

- 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.
- 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:-

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-glossy, Glossy

Color

Standard color chart from Bonndeco
tailor made color

Package available

20kg/can

Thinning ratio

5 ~ 10%

Drying time

At least two (2) eight (8) hours,
depending on the weather condition at
the time of application.

Theoretical spreading ratio

Approximately: 70-85m²/ 2 coats/can

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Instruction for use**Surface Treatment & Condition Requirement****New Surface**

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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.

Cleaning Up

- Clean all equipment with clean water immediately after use.

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Job Reference

Project	Main Contractor /Owner	Year
麥當奴 Parkvale Mcdonald's Quarry Bay	McDonald	2018-2019
Proposed Industrial Building at No. 24-28 Wing Lap Street, Kwai Chung, New Territories on K.C.T.L. No.330	Sunnic Engineering Ltd	2018-2019
律政中心 Renovation Works for the West Wing of the Former Central Government offices for office use by the Department of Justice and Low-Related Organizations	Architectural Service Department	2018-2019
Renovation of Forest Hill Carpark Wall and Ceiling	Guardian Property Management Ltd	2018-2019
麥當奴 Mcdonald's, Hing Wah Street, Sham Shui Po	McDonald	2018-2019
麥當奴 Mcdonald's, Tung Fai, Shau Kei Wan	McDonald	2018-2019
香港醫童醫院 Hong Kong Children Hospital, Kai Tai	Hospital Authority	2017-2018
逸瓏海滙 Park Mediterrancean, 9 Hong Tsuen Road, Sai Kung	Sino Land Company Ltd	2017-2018
天耀廣場 Tin Yiu Plaza, 2 Tin Wu Road, Tin Shui Wai, Yuen Long	Link Asset Management Ltd	2017-2018
柏蔚山 Fleur Pavilia – No.1 Kai Yuen Street, North Point	New World Construction Company Ltd	2017-2018
逸瓏園The Mediterranean, 8 Tai Mong Tsui Road, Sai Kung	Sino Land Company Ltd	2017-2018
老人院 Elderly Centre, Fu Tei, Tuen Mun	Culture Homes Elderly Centre Ltd	2017-2018
大興中心 Asset Enhancement Works at Commercial Block 1 of Tai Hing Commercial Centre	Link Asset Management Ltd	2016-2017
No. 501-503 Canton Road, Tsim Sha Tsui	Wah Cheuk Construction Company Ltd	2016-2017
H Queen's, 76-82 Queen's Road Central, Central	Henderson Land Development Company Ltd	2016-2017
Lot T + T100, Areia Preta, Macau (保利達黑沙灣住宅項目)	Polytec Asset Holdings Ltd	2016-2017

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