

TECHNICAL DATA SHEET

Bonndeco HydroFlon

Modified Fluorocarbon Resin

Product Description

Using a Modified Fluorocarbon resin. It has weather resistance, anti-pollution, anti-ultraviolet and strong adhesion. It is a high-tech decorate coating with elegant film and delicate smooth surface built which has combinative performance of functionality and high decorative.

Features & Benefits

- Excellent water & alkali resistant
- Excellent weather and scrub resistant
- Excellent washability
- Anti-carbonation
- Extremely color consistency
- Algae and fungus resistant
- Extremely dirt resistant

Typical Painting System		
Preparation	System	
Surface should be smooth, clean and dust free.	Sealer	Bonndeco Ultra Sealer (1 coat)
	Intermediate coat	Bonndeco Water Base intermediate coat (1 coat)
	Topcoat	Bonndeco HydroFlon (1 coat)

Properties	
Condition in container	There shall be no lumps, no separation and no coagulation of the ingredients
Low temperature stability @-5°C	Unchanged
Coating appearance	Normal
Drying time @20°C	≤ 2 hours
Color contrast (White and light)	≥ 0.96
Adhesion Test	≤ 1 Level
Alkali resistance (168 hours)	Unchanged
Acid Rain Resistance (48 hours)	Unchanged
Water resistance (168 hours)	Unchanged
Washability (3,000 times)	No damaged
Dirt resistance (%)	10 %
Weatherability (1,700 hours)	Appearance: No peel off, No crack Chalking 0 Discoloration 1

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:-

- 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 140-160m2/coat/can

TECHNICAL DATA SHEET

Bonndeco HydroFlon

Modified Fluorocarbon Resin

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 Bonndeco 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 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) 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.

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.

TECHNICAL DATA SHEET

Bonndeco HydroFlon

Modified Fluorocarbon Resin

Job Reference

Project	Main Contractor /Owner	Year
澳門板樟堂16A-16E及大堂巷-5號交界地段		2018-2019
逸瓏海滙 Park Mediterrancean, 9 Hong Tsuen Road, Sai Kung	Sino Land Company Ltd	2017-2018
明愛專上學院 Caritas Institute of Higher Education Tseung Kwan O Town Lot 97, Area 73B, Tsueng Kwan O	Caritas Institute of Higher Education	2017-2018
澳門美高梅 MGM Cotai, Avenida Dr. Sun Yat Sen, NAPE, Macau	MGM Holdings Ltd	2016-2017
招商局物流中心 China Merchants Logistics Centre, 38 Tsing Yi Hong Wan Road, Tsing Yi	China Merchants Ltd	2016-2017
SS D828 Construction of Public Toilet at Sheung Shui Garden No.1	ASD	2016-2017
東華三院馬錦燦紀念小學 TWGHs Ma Kam Chan Memorial Primary, 2 Ching Shing Road, Sheung Shui, N.T.	Tung Wah Group of Hospitals	2016-2017
亞洲貨棧物流中心 Renovation Works for G/F Lift Lobbies, Drop Off Area & Public Area at G/F of Centre A&B of ATL Logistics Centre, Berth 3, Kwai Chung	ATL Logistics Centre Hong Kong Ltd	2015-2106
香港專業教育學院 IVE Chai Wan, 30 Shing Tai Road, Chai Wan, Hong Kong	Vocational Training Council	2015-2016
香港理工大學 Block Z, The Hong Kong Polytechnic University, Hung Hom	The Hong Kong Polytechnic University	2013-2014

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.