BONNFLON MICASTONE

BONNFLON MICASTONE is a water-based fluoropolymer resin-based clear paint which is combined with special mica pigments. This coating can create various types of **multi-color stone finishing**. BONNFLON MICASTONE can be widely used from new buildings to repairing buildings by selecting undercoat materials matched best with the condition of substrates.

Characteristics of BONNFLON MICASTONE

- Giving an expression of beauty expanding with many colors even though liquid paintings.
- Keeping long-term weatherability because of a fluoropolymer resin-based coating from an intermediate coat to a topcoat.
- Having a soil-release function and showing excellent dirt resistance.
- Having functions of fungus and mould resistance.
- Friendly-environment coating systems because of all water-based coatings from a primer coat to a topcoat.

Functions of BONNFLON MICASTONE's coating films

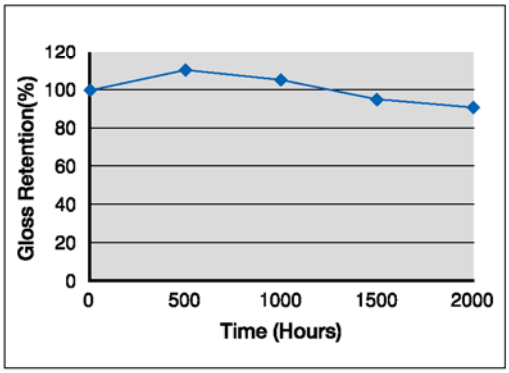
By adding special additives that let the surface of films have soil-release function as well as by adding antiseptics and fungicides,BONNFLON MICASTONE is able to easily let dirty come off and is able to keep a beautiful appearance of coating films because of a system that hardly lets both fungus and mould adhere on the surface of films in comparison with regular stone finishing materials.

Performance of BONNFLON MICASTONE's coating films

BONNFLON MICASTONE, a water-based fluoropolymer resin coating which can create various **multi-color stone finishing** designs, is able to get the same film performance as a water-based fluoropolymer resin coating that is highly enduring in an examination of coating films including weatherability. This is because both compounds and calcium carbonate that are used in normal stone finishing materials: that improve coloring ability and intensity are not used while BONNFLON MICASTONE can express stone finishing designs by using special pigments that do not influence water resistance and weatherability.

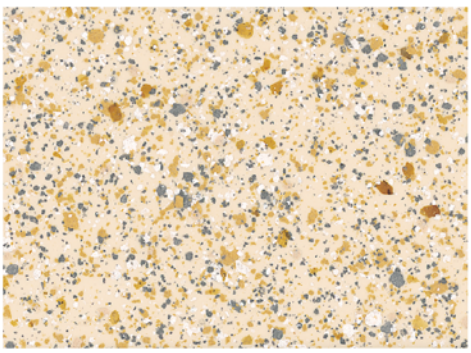
Test items		Specification of new construction coating	Specification of recoating	Specification of recoating on fiber reinforced cement sidings	Test methods
Standard	Adheresion	Classification 0(25/25)	Classification 0(25/25)	Classification 0 25/25)	JIS K 5600-5-6
Water Resistance (10 days)	Apperance after the testing	No Change	No Change	No Change	JIS K 5600-6-1 Water resistance
	Adheresion	Classification 0(25/25)	Classification 0(25/25)	Classification 0 25/25)	
Repeated warming and cooling resistance (10 cycle)	Apperance after the testing	No Change	No Change	No Change	JIS K 5600-7-4 (Condition 2)
	Adheresion	Classification 0(25/25)	Classification 0(25/25)	Classification 0 25/25)	

Result of weatherability test (Sunshine Weather Meter)



Notices : Application Efficiency

Methods of Application	Application Efficiency (%)
Brush, Roller	80~100
Airless Spray	60~80
Other spray guns	50~70



BM-013

BONNFLON MICASTONE Topcoat

- Color chips used in this material is easy to sink. Please invert the can and leave it for a while before using it.
- Color chips used in this material is easy to sink. Please stir this material with an electric mixer before using this material or before starting using it after a long-hours work.
- Color chips used in this material is easy to break. Please stir this material at low speed.
- Please fulfill the required amount of application 2 times.
- Please use a spray gun with nozzle diameter more than 5mm when you apply Topcoat.
- Air pressure of the spray gun sets a little higher than minimum pressure.

How to Evenly Finish Coating

- Please do not coat a large amount of this material at once.
- Please evenly scatter color chips and apply at a little amount of this material in the first time of top coating.
- Please apply the amount of color chips matched with a targeted design in the second time of top coating.
- Please test to spray top coating before applying a finishing surface.
- Please avoid overlapping every stroke in the motion of a spray gun.
- BONNFLON MICASTONE topcoat looks milk-white when you applying and before dry, so it is hard to see the amount of color chips. It is recommended that you keep the amount of application that you feel a little. Finishing will change by coverage of the topcoat.
- Finishing color will differ by the differnent amount of coverage.

BONNFLON MICASTONE C-SR System

[Applicable materials] Concrete・Mortar substrates etc [Applicable category] New consruction coating

Process	Material to be used	Dilution water (%)	Standard needed quantity (kg/m²)	Times of coating	Coating interval (23°C)	Coating method
Surface preparation	Check the surface to be coated, remove adhered materials, strains that will work against the coating work.					
Undercoat	Bonnflon Primer S (Enamel)	0~15 Fresh water	0.12~0.15	1	2 hours or more	Roller Brush Spray
Intermediate coat	Bonnflon Micastone Intermediate coat	0~5 Fresh water	0.13~0.18	1	3 hours or more	Roller Brush Spray
Topcoat	Bonnflon Micastone Topcoat	——	0.25~0.35	2	——	Multi spray gun nozzle dia. over 5mm

BONNFLON MICASTONE Recoating System

[Applicable materials] Recoating for concrete etc
[Application category] One more primer **"Bonn HB Surfacer R Sealer"** may be needed if existing films areseverely deteriorated and/or existing film peel off

Process	Material to be used	Dilution water (%)	Standard needed quantity (kg/m²)	Times of coating	Coating interval (23°C)	Coating method
Surface preparation	In the case, there are deteriorated parts on old films, please remove them by using a sander and a scraper and then adjust the patterns. Please remove dusts and stains on old films by using a high pressure cleaning machine.					
Undercoat	Bonn HB Surfacer R(W)	5~8 Fresh water	0.3~0.5	1	16 hours or more	Wool Roller
		2~5 Fresh water	0.8~1.2			Mastic Roller
Intermediate coat	Bonnflon Micastone Intermediate coat	0~5 Fresh water	0.13~0.18	1	3 hours or more	Roller Brush Spray
Topcoat	Bonnflon Micastone Topcoat	——	0.25~0.35	2	——	Multi spray gun nozzle dia. over 5mm

BONNFLON MICASTONE SD System (Recoat for cement board)

[Applicable category and materials] Recoating for cement board

Process	Material to be used	Dilution water (%)	Standard needed quantity (kg/m²)	Times of coating	Coating interval (23°C)	Coating method
Surface preparation	Please remove dusts and stains on old films by using a high pressure cleaning machine.					
Undercoat	EFP Enamel primer (Pink color)	0~5 Fresh water	0.12~0.16	1	2 hours or more	Roller Brush
Intermediate coat	Bonnflon Micastone Intermediate coat	0~5 Fresh water	0.13~0.18	1	3 hours or more	Roller Brush
Topcoat	Bonnflon Micastone Topcoat	——	0.25~0.35	2	——	Multi spray gun nozzle dia. over 5mm

AGC COAT-TECH CO., LTD.

Head Office Comfort Yasuda Bldg. 5FL 2-9, Kandanishiki-cho, Chiyoda-ku, Tokyo 101-0054, JAPAN Tel 03-5217-5101 Fax 03-5217-5106
Nishinihon Branch ／ Sendai Branch

URL http://www.agccoat-tech.co.jp