



All Purpose Nanometer Resin



Characteristics

Sunnywin Nanometer Resin is a breakthrough innovation for gluing and filling all kinds of marble and granite. It is made of unsaturated polyester resin dissolved in styrene. It contains nanometer scale particle and which makes itself be harden by UV radiation in a short time. Non-toxic, Eco-friendly and pollution-free.

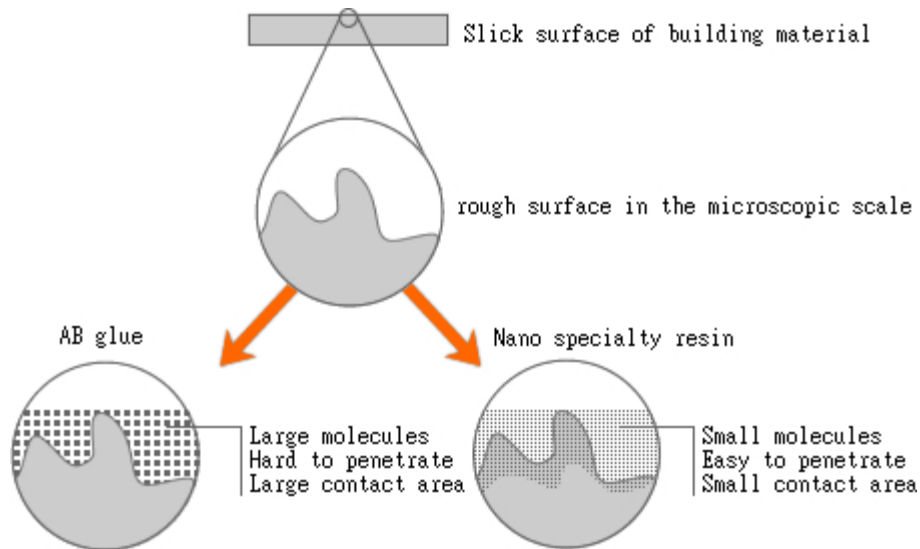
Advantages

1. Short radiation time saves operation cost and increase production speed and capacity.
2. Smaller particles easily penetrate into deeper part underneath the stone surface
3. Enhance hardness and scratch resistance of stone
4. Improve the evenness and texture of stone
5. Super water-repellent property

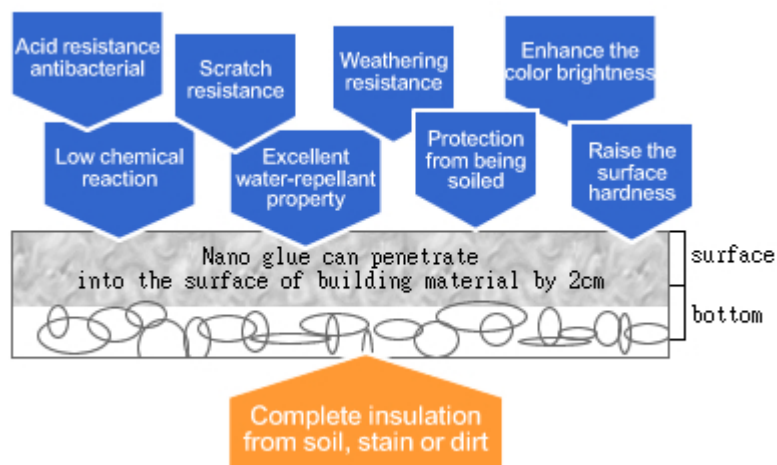
Comparison between traditional processing and Nanotech processing

Traditional Processing		Nanotech Processing	
	Epoxy Resin		Nanotech Specialty Resin
Hardened by sunlight	Requires wide space to array semi-unpolished slab 	Hardened by machine	Fully automatic IR & UV heating stations 
Curing Time	48 hours, subject to weather condition	Curing Time	2-4 hours, free from weather disturbance
Labor cost	High	Labor cost	Low
Outcome	Difficult to penetrate.	Outcome	Penetrate 2cm underneath the stone surface.
6~7 times moving	The more times the slabs are moved or hanged, the higher breakage rate occurs	2 times hanging	Decrease breakage rate of slab and raise production rate.
Raw slab become finished product in stock	70~120 hours	Raw slab become finished product in stock	2-4 hours

Comparison between AB glue and Nanotech specialty resin



Features-added onto stone surface



Production Capacity Calculation

Tested Environment: Humidity: 60% Temperature: 23^oC Material: 5M² slab

Procedure: For best outcome, twice gluing and heating are done in this test.

Consumption: 500-500cc/4M² (equals to 1000-1100cc in twice)

Working hour: 8hrs/day

Processing time: 2 hrs/per slab (including polishing)

Interval: 3min/ slab

Capacity: 220kgs/ tank

Efficiency: A tank of Nanometer Resin can process 220 slabs, or 1100 M², within 2days.

IR & UV Heating Line

We offer consultancy assistance and customized design as per your request.