

Gemini[®] Waterproof Barrier Coating AnB-133

[Introduction]

AnB-133 is a waterproof barrier nano-coating agent. It is a water-based one-part self-drying / heat curing type. Combining special hybrid cross-linking with non-toxic, eco friendly and easy processing method, it can effectively impregnate into the microporous substrate more than 3mm to prevent water, oil and stains from penetrating into the substrate system, it has 0 VOC, no odor, excellent weatherability, good thermal shock results, moisture and mildew resistance, damp and heat resistance, friction resistance, long-term reliability. it brings waterproofing and shielding barrier to various substrates , keeps it bright and ultra durable.

[Typical Properties]

Properties	Units	AnB-133
Solid	Wt%	35
Appearance	/	Transparent liquid
Density	g/cm ³	1.1
Solvent	/	Water
Baking Temperature / Time	/	Self-drying 24 hrs / 90°C 30mins

[Performance]

Test Item	Test Method	AnB-133
Water contact angle	10~20 μ L Water	95°
Film color/thickness	Observation / μ m	Transparent/5~10
Hardness	Pencil hardness tester	3H
Adhesion	Cross-Cut Tester	Grade 0
Durability	UV、rain aging chamber	3~5 years
Waterproofing	Soak in 15cm deep water for 20 days	Good
Abrasion Durability	Taber, 5 cycles with CS10 wheel	Good
High Temp/High Humidity	85°C × 85%RH × 24 hrs	Good
Thermal Shock	-40°C × 1hr ⇄ 85°C × 1hr, 10cycle	Good
Salt Water Spray Test	5% NaCl, temperature 35°C, test time 200 hrs	Good
Weatherability	UV weather test chamber,200hrs,color aberration within ΔE=1.0	Good

[Applications]

Used in building roofs, interior / exterior walls, furniture, building construction / decoration materials for waterproofing and barrier, bathroom and swimming pool facilities, bridge, factories, schools, outdoor marine and scenic facilities etc.

[Applicable substrates]

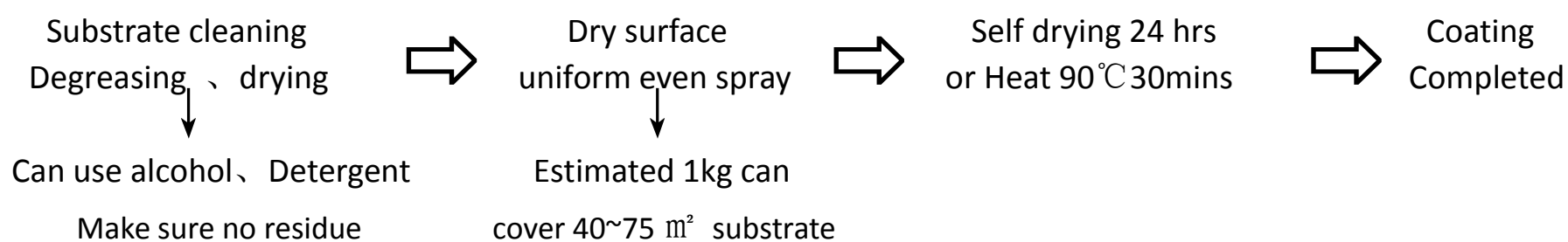
metal, paint, plastic, ceramic, foam, brick, wood, cement, stone etc.

[Processing Method]

Spraying, dipping, brushing, rolling. Suggest spraying, make sure the coating is uniform and even. The temperature of the surface to be sprayed should be 5°C~35°C. Keep containers at room temperature prior to use. All surfaces need to be dry and free from wax, grease, and polishes for good adhesion.

Please clean the spray gun with alcohol before and after spraying to avoid cross contamination. The spray gun is set to low pressure and low volume. One-time spraying can achieve certain effect, overlapping spraying can be done as needed. Self drying time is 24 hrs or heat 90°C 30mins, then can move or transport, make it longer in winter.

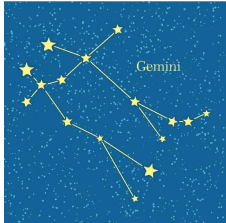
The 24 hrs self dried coating must continue to dry for over 2 days to reach maximum durability, so suggest testing after 3 days. The 90°C 30mins heated coating must continue to dry for over 1 day to reach maximum durability, so suggest testing after 2 days. For best long- term performance avoid imposing excessive mechanical friction or other surface treatments.



[Attention]

- During processing, avoid direct contact with the skin, using gloves and safety glass in the test. If skin contacts with products, immediately wipe with a dry cloth and then wash skin with soap and water, If eyes contact with products, immediately flush eyes with plenty of water for at least 5 minutes, and call a physician.
- Keep the container sealed and store between 5~35°C, well ventilated locations, shelf life is 1 year.

[Packaging/Transport] 25kg plastic jug. Not classified as dangerous in the meaning of transport regulations



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