

Nanometer Cleaning Glaze

Nanometer is a ceramic material with a unique dirt-repellent glaze, which reduces almost all of dirt's ability to adhere to the surface. With improvement of living standard, human desires a better environmental and sanitation condition. To comply with the trend, it's inevitable to supply this stain-free, antibacterial, easy-to-clean material.

The technology is a specialized two-layer glazing, with a surface coating glaze over the base one. The base glaze is high smooth opacification, while the surface glaze is transparent fusion with super smooth and antibacterial effects. The glaze makes surface dirt-repellent and easy-cleaning by containing multiplied antibacterial--nanometer AG/ZN. The one-step processing under high temperature making surface high performance of resisting against acid, alkali and other corrosives.

The average antibacterial ratio for Nanometer is $\geq 99.5\%$ to staphylococcus and other harmful bacteria. The test is executed and certified by Industry Environment Supervision Centre of CBMA-China Building Material Academy.

The following microscopic illustrations show the difference between normal glaze and nanometer glaze.

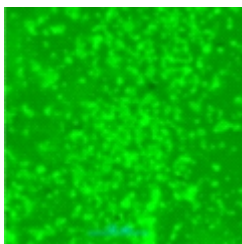


Figure1 normal glaze contains opacification

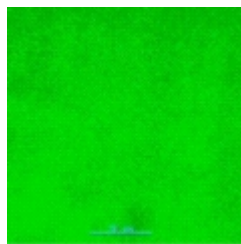


Figure2 Nanometer glaze transparent and uniform

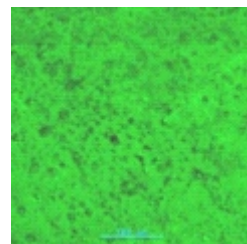


Figure3 normal glaze rugged on surface.

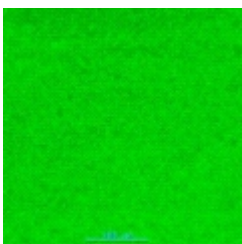


Figure4 Nanometer glaze Super flatness

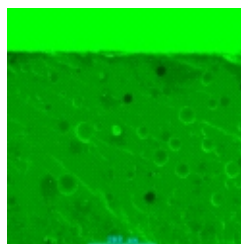


Figure5 normal glaze Combination with clay

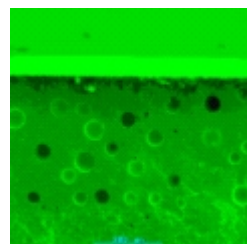


Figure6 nanometer glaze A better combination with clay

It can be found under microscopic micro-cracks and air holes on normal surface, this created the living and increasing condition for bacteria. Whereas nanometer glaze surface is so smooth and with super flatness, making it dirt-repellent, antibacterial, easy-cleaning characteristic evidently.