## BLESS CO.,LTD

# Titan Water Base Ceramic Coat "All-Titanium AT254" 

## Mold-Proof, Antibacterial, Deodorizing Coating Agent Safe for People And the Environment

## Features

Safety $\quad .$. It is an inorganic coating, It is harmless to the human body and to the environment.
Durability... Long-term durability because there is little destruction or deterioration
of the coating film to friction and wear.
Workability...Treatment work is easy using a spray gun. It is colorless and transparent,

> so anything can be coated.
"All-Titan AT254"forms a thin-film porous coating on various base materials by bonding together macromolecules of inorganic ions and ceramifying due to the condensation reaction in the aqueous solution. The ceramifying film formation reaction of "All-Titan" is due to the aqueous solution, so energy consumption for prosesses such as high temperature heating is completely unnecessary. There is also no release of CO2 or similar in the manufacturing process, so it can be described as an environmentally friendly coating material.
Overview (Technical principles, actions, etc.)

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## Introductory Track Record



## Effects

$\left[\begin{array}{cc}\text { All-Titan } & \text { Proven effective against a total of } 254 \text { organisms } \\ \text { AT254 } & -70 \text { bacteria, } 159 \text { fungi and } 25 \text { algae - }\end{array}\right]$
I general antibacterial effects are achieved by controlling condensates of solid acid ( $\mathrm{OH}^{-}$ion adsorption properties) and solid bases ( $\mathrm{H}^{+}$ion adsorption properties). However, adding antifungal properties with just inorganic matter is diffcult. With Al-Titan AT254, biguanide related composite antifungal constituants, which have established safety testing, are dispersed in the aqueous solution. Their molecular dispersion and fixing within the condensates then results in a highly reliable antifungel performance. The coated film is extremely resistant to wear and the antifungal effect was found to remain after a test of rubbing it 10,000 times.


