

Inorganic antimicrobial agent

Amteclean Z

and

The application products

AMTEC Co.,LTD.

Features of “Amteclean Z”

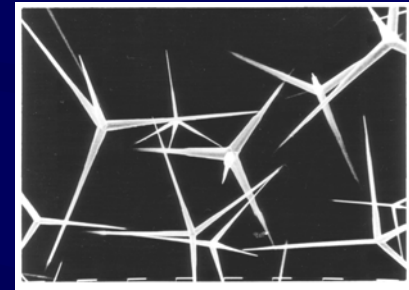
- Silver and Zinc Oxide based inorganic antimicrobial agents.

 - ⇒ “Amteclean Z” is composed of two metal compounds that have different antimicrobial agents.

- Making two basic grades according to using conditions.

 - ⇒ 【Grades】 MK-10 MK-12

- Using special formed Zinc Oxide single crystal “Pana-Tetra”.



“Pana-Tetra”

- Holding in many compound materials.

 - ⇒ Mixture of a little “Amteclean Z” in resins, paint, filter, cloth, etc. have enough antimicrobial ability.

MK-10	Calcium phosphate with silver compound and Zinc Oxide single crystal
MK-12	Boron-silicate-glass with silver compound and Zinc Oxide single crystal

Antimicrobial ability of “Amteclean Z” compound products

【Moldings of “Amteclean Z” compounding resins】

By film contacting method

Grade	Resins	Bacillus type	Number of living bacillus	
			0 hrs.	24 hrs. after
MK-12 0.5% compound	PP	Escherichia coli	2.1×10^5	<10

【“Amteclean Z” compounding paint】

By film contacting method

Grade	Paint	Bacillus type	Number of living bacillus	
			0 hrs.	24hrs. after
MK-10 0.5% compound	Acrylic water soluble paint	MRSA	4.1×10^5	<10

Wide application of "Amteclean Z"

《Compound resins》

Refrigerator
Cleaner
Washing machine
Water cleaner
Water cleansing toilet
Remote controller
Bar-code reader
Air cleaner , etc.



《Paints》

Coating materials
For sickroom's wall
For lavatory or bathroom

《Filtration materials》

Deodorizer
For fish water tank
For circulation filtering bath

《Filters》

Deodorizing filter
Dust collecting filter
Woven or non-woven cloth