

Nafitec is NBC's proprietary technology of functional inorganic nanoparticle immobilization.

Schematic diagram of the new technology

Conventional method

Inorganic nanoparticle

Binder resin or plastic material

SEM image

Conventional method; Nanoparticles are mostly covered by resin or plastic material binder, it deteriorates the performance of own inherent function.

Nafitec™

Binding agent

Inorganic nanoparticle

Plastic material

SEM image

Nafitec; Nano-Particles bind each other and chemically fixed onto the surface of plastic material, it performs the own inherent function most effectively.

Comparison

Dust-control properties (with soils)

untreated **Nafitec™**

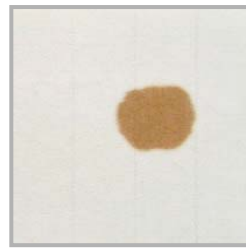


untreated **Nafitec™**



Hydrophilic-control products (with soy sauce)

untreated

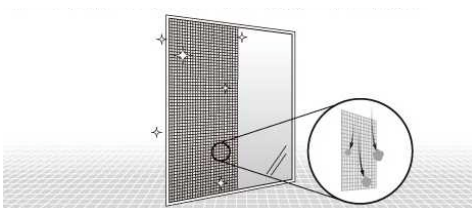


Nafitec™

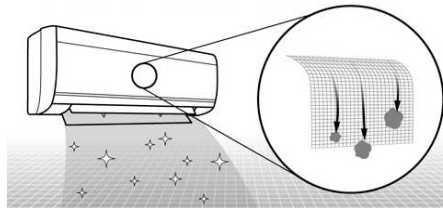


Wide variety of industrial applications

Window-Screen -mosquito net-



Filters for air conditioners



Filters for vacuum cleaners

