

For PV Aqueous Ceramics Coating

Model : M-50CP

Characteristic of M-50CP

Improved diffuse light take in

Improved near infrared ray take in

Super hydrophilic function effect (self-cleaning effect , cooling)

Outline of M-50CP

It is a new ceramics compound which is spreaded 3~20nm particles of silicon dioxide into water.

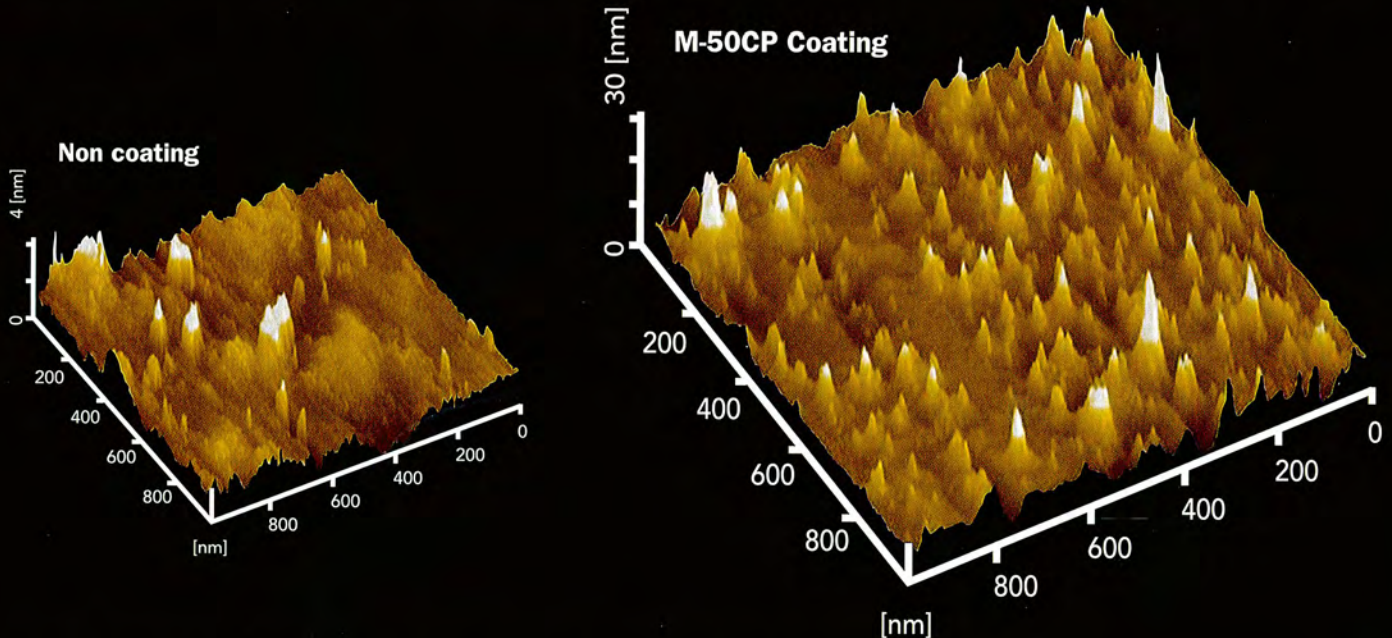
M-50CP is totally made from inorganic materials spreaded in water as solvent.

Therefore, it will not be affected by ultra violet ray, temperature and humidity.

PV module glass surface has OH radical.

Main ingridient of M-50CP is silicon dioxide.

Therefore, it has a strong bonding between OH radical with silicon deoxide.(siloxane bonding)



M-50CP durability test results (Has been determined by transmittance measurements after the test)

UV resistant accelerated test	SUV 1000h	20years without degradation
High humidity High temperature	85°C~85% -40	200cycles without degradation
Salt-resistant	5%	No degradation
Chemical resistance (PH4 hydrochloride)	25°C-24h	No degradation



MIYAZAKI CHEMICAL CORPORATION JAPAN