

Agent Recruitment

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Waterborne pure Inorganic Coating Glass Coating “CARPAL”

Patent filed JAPAN, USA

Waterborne pure inorganic Coating Agent is only one and no others, Now ,“CARPAL” is newly introduced to world with 10years excellent reputation from professional coating dealer in JAPAN.

Made in Japan

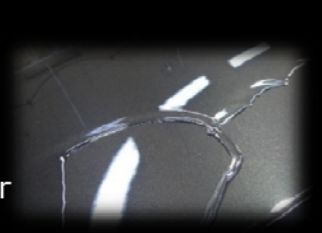
**CARPAL WAS INNOVATED
BY NEW WAY OF THINKING**



Protecting your car by Super-Hydrophilic function.

Waterborne pure Inorganic Coating.

Waterborne pure Inorganic coating forms super hydrophilic membrane that is able to prevent the damage of your car's paint from water spot and water deposit because rain water flows out by thin water sheet.



Performance · Effect

- ✓ Strong adhesion of Coating membrane !
Pure Inorganic (Carbon free) Strong membrane by Ionic bond.
- ✓ No degradation by ultra violet !
Membrane has no organic substrate at all. (Organic is deteriorated by ultra violet)
- ✓ Anti-dirt effect improved, Easy remove the oil dirt !
Easy remove the dirt just wash by water due to hydrophilic function.
- ✓ Preventive from water stain and water spot by rain !
Due to super hydrophilic function membrane prevents from water spot by rain.
- ✓ High heat resistance membrane. Heat resistance more than 1000°C !
No influence at all under the normal usage temperature.
- ✓ Very gentle to car paint due to 100% Waterborne pure Inorganic made !
No organic solvent is used but water as a solvent. No load to car paint.

Main Characteristic

Glass

High performance of Anti-dirt function by hydrophilic membrane.

Realized easy wash · high anti-dirt function from organic dirt by hydrophilic membrane. Coated glass surface forms very thin membrane which holds water from atmosphere, and organic dirt is on the water state. Therefore it is easy to clean the organic dirt by water, and the membrane has water absorb from atmosphere at all the time, so put a water to window glass it will be a defogging function.



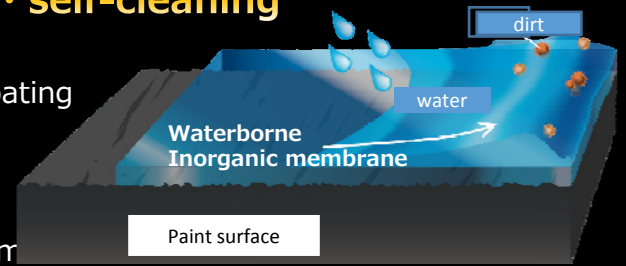
- 1 Immediately effected after coat to object substrate, and forms water contained membrane.
- 2 As substrate surface is covered by water, dirt are always on the water membrane like floating.
- 3 Rain or shower etc are on the coated surface, those water affinity with water membrane under dirt, and dirt will be floated.
- 4 More rain or shower comes on the coated surface, Dirt will be flow out from substrate surface.

High adhesion by ionic bonding

Waterborne pure Inorganic coating are made from water and silicon dioxide as mainly. it has not included any substance of degradations from ultra violet, coated membrane stay remained unless substance it's self damaged. And as to strong adhesion with inorganic substance surface by ionic bonding (siloxane bonding) which can be stand even strong friction.

High performance of Anti-dirt function · self-cleaning by hydrophilic membrane.

Hydrophilic membrane by waterborne pure inorganic coating excellent anti-dirt function, and Show the self-cleaning effect by rain or shower etc. Also, save the electrostatic occurrence and prevent from dirt like dust etc.



Water repellency


Waterborne pure inorganic coat "CARPAL"

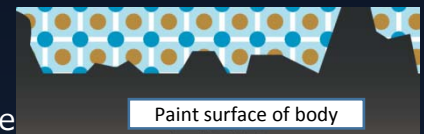


◀ amazing self-cleaning effect

Comparison photo of dirt removal result;

Waterborne pure inorganic coat and water repellent coat work on the car bonnet, and make dirt on the both coated surface by false dirt which is made from oil and sand combined, then wash by only water shower. Water repellency (left): remained but Waterborne pure inorganic coat (right):dirt are flow out all, the water membrane wash out the dirt. This is the self-cleaning by rain or shower mechanism.

 Waterborne pure Inorganic membrane



High adhesion by Anchor bonding

Nano-size of AD-Tech COAT membrane busy into 凹-part of Paint surface 凹凸 as anchor effect bonding. Membrane has no crack is occurred by expansion, shrinkage and vibration of car due to flexibility and high adhesion of membrane.

Natural deep luster by silicon dioxide

Silicon dioxide (SiO₂) as glass ingredient extract natural Luster of primary paint color of car body.



High durability of non degradation from ultra violet

There is no degradation from ultra violet due to non organic Substrate included at all.

Works and maintenance

Workable at all-weather even rain · high humidity as waterborne pure inorganic.

Work with short time and very thin membrane with very quick natural dry, therefore no waiting time for dry up. Workability efficiency is very high compare with other coating agent and safety, gentle to environment with no VOC, non smell, non toxic.

<About maintenance>

- When wash a car use only water and wipe up by soft micro fiber cloth etc.
- Please do not use abrasive due to make scratched to the membrane.
- ※Need maintenance to keep coating such as wash.



There are many place to be used:



Shin-kansen · Train · Bus · Truck · Boat · Car · Container etc