

GPLUS Solution is a one-component type product in inorganic coating system. The color is clear and It is an environmentally friendly coating agent that meets the RoHS standard and does not contain hazardous chemicals. GPLUS is possible to improve the Performance enhancement of Electro (hot-dip) galvanizing, Metal Coating

Uses

Enhancer for Electro (hot dip) galvanized products (Excellent inhibition of white rust, Blacken, Prevent red rust)
Stability of top-coat adhesion due to delayed white rust (Electo, Hot-dip Galvanizing)
Performance Improvement of the Outdoor Demand Products for Metal Coatings

Features

1. Finished conditions : Clear
2. Dry Time : Dry to Touch 5 ~ 10min | Natural dry | Low-temperature drying (60°C*20min)
3. Solid volume ratio : 14% ISO3233
4. Recommended film thickness :1~5 μ m
5. Theoretical coating ratio : 140~28m²/kg In the plane
6. Specific gravity : 0.92±0.01 ASTM D1475
7. Coating type : Spray, Dipdrain, Dipspin
8. Viscosity Zahn #3 : 12±1sec
9. Storage period : 12 months from the date of manufacturing with sealed

Application Benefits

- Performance enhancer for Electro (hot-dip) galvanized products (Excellent inhibition of red or white rust, Blacken)
- Corrosion resistance Performance Improvement of the Outdoor Demand Products for Metal Coatings
(Ex : GEOMET, DACRO)

Coating Specification

1. Surface pretreatment

- Electro (hot-dip) galvanizing : Use Ethanol (IPA) cleaner to completely remove oil and dust from the material
(Wipe, Blow after dipping)

If there is no contamination on the surface, it is applicable immediately.

If left for a long time after zinc plating treatment, the adhesion performance is deteriorated by an oxide coating material. Requires coating in a fast time.(Oxidized material is removed by sand paper and etc.)

- Metal Coatings (Ex:GEOMET) : Be careful not to contaminate oil and foreign substances on the product

2. Coating Methods

- SPRAY TYPE : Nozzle diameter : 1.3~1.8mm , injecting pressure : 2kgf/cm²~3kgf/cm², injecting angle: 40~60°
- DIPSPIN TYPE : Dipping 10~20sec , Drain time 20~30sec , Spin time 4~500rpm * 10sec
- DIPDRAIN TYPE : Dipping 10~20sec , Drain time 1min (Depends on product size and shape)

3. Dry methods

- Natural drying
- Low-temperature drying : 60°C*20min

* Perform the test 7 days after drying.

Precautions

Shake well before use.

If a large amount of water is mixed, the solution may become entangled and foreign matter may form.

(Avoid mixing with water.)

Do not immerse material of high temperature on GPLUS. (material temperature ~ Max 40°C)

Work well in ventilation.

How to keep

Keep in a well-ventilated place.

Keep the storage temperature at 0~40°C

Keep away from fire.

If there is any remaining amount in the container after use, close the lid immediately and seal the container.

Packing Unit

16kg JERRICAN

170kg DRUM

This technical information is based on the latest materials known to date. Depending on the method and conditions of use, Various variables can occur. If you have any further questions, please contact KEMP KOREA for further action

. * Make sure you have a recent revision.

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