



Future Coat Technology

TJ- 20

TECHINICAL INFORMATION

The TJ- 20 is a special product with a long-term effect on all metal surfaces. This is a sealer that forms a barrier on metal surfaces. An ultra-thin and invisible coating is applied. The hydrophobic product works by repelling water and prevents adherence of foreign mater on the surface (**Easy to Clean/Self-Cleaning effect**). Due to the hydrophobic treatment effect, dirt particles cannot penetrate the matrix of the surface. The nano-particles adhere directly to the substrate molecules, deflecting any foreign matter. Water runs off easily from the treated surface and dirt particles are washed off by rain or when rinsed with water.

The TJ- 20 is UV stable and cannot be removed with high pressure equipment, water or cleaning agent. TJ-20 guarantees that metal keeps it's original finishing. Surface treated with TJ -20 is very easy to maintain. There is a range of applications of TJ -20 on multi metals. In situations where there is no water or rain, the product will provide protection and easy to clean surface.

Properties of TJ- 20 coating

Water-repelling

Dirt-deflecting

Easy to clean

Oxidation production

Tarnish protections

UV-weather-resistant

Long-lasting

Product

Item	Type	Solid content	Concentration	P^H	Characteristic
TJ-20	PU	25%	10-25%	7.5-8.0	Dry fast, highlight, wear-resisting, good corrosion resistance

Bath Preparation & control

Name	Control range
Concentration	1:3 (250 grm with 750gm)
P ^H	7.5-9.0
Temperature	25-35°C
Time	Dipping 5-10

Make solution, By adding deionized water to specified quantity of TJ 20.

Treatment Process

1. Hang metal products → deionized water wash → hot deionized water wash → dipping TJ sealing → drain off → 60-80°C dry → finished product.
2. Roll dipping, basket dipping metal products → deionized water wash → hot deionized water wash → dipping TJ-20 → drain off → hot wind spin-dry → finished products.

Note

1. Film performance will enhance when lengthen time and dry temperature higher.
2. The product surface temperature, in favour of film formation and improve solidify speed.
3. Room temperature too low, then solidify speed is slow, sagging badly, suggest appropriate heating control.
4. Can use more times dipping, enhance thick of film.
5. Liquid easy pollute by impure deionized water which effect performance and usage, had better to dry then dipping.
6. Solutions just replenish, if solution color changes or caused coagulation then need refresh.