

HMV-7003 : : Heavy Duty Metal Rust-Proof Varnish Coat



Introduction / Main features

- Water based nanometer resin
- Heavy duty rust prevention
- Better than traditional solvent paint by 2-3 times in resisting, salt mist, salt water, nitryl, aging and temperature
- Thin & fast application, quick dry, less coat needed per m2. Nano size product provides, a lower cost per sqm, as rust prevention only need 25-30 micrometer (minimum requirement in preventing rust). Unlike oil based which need a thicker coat.
- Another cost saving is on dilution, where Nano Coat product only need water to dilute.
- Strong adhesion and flexibility property. The coat does not break nor fall off by bending 180 degree.
- Paint with rust. Not necessary to remove the rust within 10um, just need to clean the surface from dust or grease. Thus save some labor cost.
- Good impact resistant
- Contain no zinc, thus no toxic gas on welding and cutting
- Nano size particle - deeper penetration, better bonding, better protection
- Water based product - easy cleaning, less odor, non-flammable, quick dry, environmentally safe

Application

Oil & gas pipe, submarine structure, ship, container, factory, bridge, tower, any metal that require heavy duty rust proof top coat

Coverage

Depend on porosity of material surface and durability needed, roughly 8-10 m2 / lt

Technical Index

No	Detected Items	Performance Index
1	Color	Semi transparent and milky-white liquid
2	Impact strength (kg/cm)	> 50
3	Flexibility (mm)	1
4	Wearing resistance (1000g, 1000round, g/m2)	0.003
5	Oil field sewage resistance (85 ± 5C, 720hr)	Non –foaming & non-falling off
6	Crude oil resistance (85 ± 5C, 720hr)	Non –foaming & non-falling off
7	Heat endurance (150C, 2h)	Non –foaming & non-falling off
8	Thickness of wet coat	40-50 um
9	Thickness of dry coat	20-30 um
10	Time of surface dry	30 minute
11	Time of hard / fully dry	12 hour

Statement:

This brochure is based on our testing and experience and can be used as a construction guideline. Given the fact that many factors can affect the end result, we are only responsible for the quality of the product. As the technological progressing, we reserve the right to modify this specification without notice.