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ANTIRUST anti-corrosion paint Composition point PI-1-7 (PN-C-81901:2002)

TECHNIKAL CHART

DESCRIPTION

Composition paint prepared on a base of drying oils modified physically during manufacturing process. A purpose of those is the application to protective and decorative painting steal surfaces. The high resistance to harsh environment conditions and performance, for example: sea water action ,petroleum pollutants action, change of temperatures ,vibration and mechanical stroke, atmospheric conditions changing. The paint is characterized by high adhesion and barrier properties even after putting on unprepared surfaces.

PURPOSE

For painting of all kind of surfaces required anti-corrosion protection used in industry, particularly in:

- *shipbuilding industry;*
- *extractive industry (coal- mining, copper-mining, gas and oil mining);*
- *chemical industry (installations, tanks, pipelines);*
- *building industry (facades, constructions, roofs and steal profiles).*

PROPERTIES

Features of paint coats obtained as the result of the proper application of ANTIRUST anti-corrosion paint are following ::

- *increased adhesion to every surface;*
- *exceptional abrasion resistance;*
- *high flexibility, impact strength, thermal shock resistance, resistance to high temperatures (to350°C);*
- *fastness to water, acids, alkali, oils, petrol ;*
- *maintenance of the colour up to 150°C ;*
- *possibility*/ of putting on unprepared surfaces (rust, oil-base grease, dustiness).*

**/ it requires the investor's agreement ...*

Detailed technical properties of varnishes and paint coats are shown in the table of requirements :

Table

NO	Requirements	Test's result	Standard requirements	Test method according to	Remarks
wymagania dotyczące farby					
1	Density	1,2	Parameters agreed on both sides	PN-EN ISO2811-1:2002	
2	Outflow time	To 200		PN-C-81701:1997, met A	
3	Viscosity			PN-ISO 2555:1999	
4	Degree of spreading, μm , no more than	45	45	PN-EN ISO 1524	

GUIDELINES OF PAINTING

The way of preparing the painting set

Open the container and stir mechanically the content of the tin for about 5 min. Adjust viscosity of the paint to the painting technique using the ATISOL thinner or painter's naphtha.

Clean tools and spraying devices directly after painting using any conventional solvent, but ATISOL thinner is recommended. Don't let the paint to dry up, it could damage tools and devices..

Preparing surfaces prior to painting

The quality and the life of coating obtained as the result of application ANTIRUST paint, depend, first of all, on its adhesion to the surface. Best results can be received when steel surfaces will be purified to degree of purity according to PN-ISO 8501-1 at least St2, the surface will be dry and grease and dust free. However, many cases of application the composite paints PI-1-7 set on construction and deviates repaired and painted decoratively indicate obtaining maximum parameters of the resistance and the life of coating on unprepared surfaces. In such cases, for assurance a proper quality of the coat, it was enough to remove a slag and welding carbon deposit from metal constructions, and all feather edges slightly round off by polishing; corrosion changes should be pushed by hammering. In the case of presence an old coat a testing painting should be done in order to establish its adhesion to foundation. Good results were also obtained in the case of putting the paint on wet surfaces or surfaces covered by oil-base grease. Every case of the industrial application should be consulted with process engineers of the producer or of the licensed representative. This service is free of charge..

Painting

The paint can be sprayed using hydrodynamic or pneumatic method, a painting roller, a paintbrush or dipping can also be used to lay on the paint. Viscosity of the paint is regulated by ATISOL thinner for every kind of application. Received efficiency depend mainly on the method of application.

Use 1,8 – 2,5 mm jet for spraying ,spray from the distance 200-300 mm.

Required thickness of the coat, μm ("on wet") first coat 30 ± 5 , second coat 60 ± 2 ; third coat(if necessary 60 ± 2) thickness of the coat, μm ("on dry"):first coat 20 ± 5 , second coat 40 ± 5 , third coat(if necessary 40 ± 2)

Drying between operations up to I degree. (estimated drying time 0,5 – 1 h).

Surrounding conditions: .minimum temperature 5°C

ADDITIONAL INFORMATION

Transport codes : see The Characteristic of Dangerous Substance Card

Size of tins: 5 i 20 l;

Storage conditions:

The product should be kept in tightly closed containers at the well ventilated place, far away from the source of fire, oxidizing agent, strong alkalies and acids ,do not expose to direct solar radiation.

Closed containers should be stored and transported in a vertical position..

Do not empty under pressure.

This information was created on the basis of our best knowledge and current data.