

ROSALEE PRIMER REDOXIDE ZINC CHROME PRIMER TO IS-2074

➤ **Scope**

Iron oxide (red oxide) by itself has good corrosion resistance. But, where better resistance is needed, a combination of iron oxide and zinc chrome is used while preparing the primer. The minimum quantity of zinc chrome needed is 20% of the total pigment. Every film of primer accepts moisture from the air, which in turn is the main cause of rusting. Zinc chrome pigment (under moist conditions) dissociates itself into zinc and chromic acid. The latter offers what is called passivation thereby taking much longer time to start rust.

➤ **Areas of Application**

Any type of steel structure that needs better protection from corrosion (created by humidity) needs zinc-zinc chrome primer. It is massively used to protect large steel structures like bridges and towers and also be used on smaller articles fabricated or casted.

➤ **Surface Preparation**

The surface must be free from oil, grease and rust. The best way to achieve this is to use sand blasting or 7-tank phosphate system. However, if for any reason, it is not possible, use can be made of rustosan, which removes oil, grease and rust in single operation.

➤ **Technical Data**

- APPEARANCE : Free flowing liquid showing red oxide colour.
- VISCOSITY : 110 ± 10
- THINNER TO BE USED : Syn. Thinner 011
- WEIGHT PER LITRE : 1.37 ± 0.02 kg/ltr.
- DRYING TIME : Touch dry : 15-20 min.
- THUMB IMPRESSION FREE : 40-50 MIN.
- HARD DRY : 24 hrs.
- SCRATCH HARDNESS : Passes the load of 1000 gms.
- CROSS HATCH TEST : Passes the test.
- FLEXIBILITY : Passes the bending mandrel of 1/4"
- SALT SPRAY RESISTANCE : Minimum 96 hours.
- HUMIDITY RESISTANCE:

➤ **Direction for Use**

Prepare the surface as directed above and start brushing or spraying with adequate quantity of thinner 011 preferably wet sand after 2-3 hours, to get a very smooth surface.

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➤ **Notes**

As stated earlier (under introduction) minimum 14% on total pigmentation should be zinc chromate, to fulfill the conditions of is-2074.

Now, zinc chromate pigment is very expensive and so, many unscrupulous manufacturers use less than 14% of total pigments and fool the customers. Therefore, we recommend, the consumer should get the product analysed in any good laboratory before buying the product or ask the manufacturer to submit analytical report along with the supply.

Besides, in the market, is also available redoxide-zinc chrome primer to is 2074-p. The affix “p” stands for performance and is much cheaper because it contains either very little of zinc chrome. Here the results are achieved by using a special anti corrosive additive. Thus, where there is no statutory requirement to use the genuine primer, the one, 2074-p can be used.

➤ **Disclaimer**

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