

ROSALEE METAPRIME – H TWO PACK WASH PRIMER

➤ Introduction

Two pack wash primer was developed in the U.S. during the Second World War, for faster production of battleships and submarines etc. The product dries very fast thus giving immediate protection against marine corrosion, to the blast cleaned steel plates meant for shipbuilding. Our brand name for the product; rosalee metaprime-h.

The system is two pack: base and hardener. The base contains a special vinyl resin with zinc tetroxy chromate pigment while the hardener is an acidic liquid, essentially based upon phosphoric acid.

When the mixed base and hardener of metaprime – h is applied to a ferrous surface, the film makes an excellent bond with the surface, giving long lasting protection against marine corrosion.

Non-ferrous metals like galvanized iron, zintec and aluminium, normally do not accept any paint on the surface. Within a short time, the coating starts peeling off as is observed on many shop signboards made of galvanized sheets. An uneducated painter believes that using costlier galvanized sheet will result into longer life of the sign board but within weeks, the paint and letterings thereupon, loose adhesion. Synthetic zinc chrome primer offers some solution but not as strong as the use of metaprime – h, two pack wash primer because the phosphoric acid in the hardener also provides zinc-phosphate coating, which is the ultimate agent responsible for longer life of a paint system.

Another important use of metaprime – h is removal of alkalinity from cement – concrete surface. The acid component of metaprime – h, helps in neutralizing the alkali in cement.

➤ Areas of Application

All prefabrication work of mild steel whether on seashore or inland, must have a coat of metaprime – h for preventing rust formation, in the initial stages of a plant erection. Galvanized, zintec or aluminium surfaces must have a coat of rosalee metaprime – h for better adhesion of any paint.

Cement surfaces must have a coat of rosalee metaprime-h for neutralizing alkalinity in the structure.

➤ Surface Preparation

See the pamphlet on surface preparation of metals.

➤ Technical Data

- APPEARANCE : Base : greenish liquid
Hardener : water white liquid.
- VISCOSITY : Base : 60 – 70 seconds fc/4 @ 30⁰c.
Hardener : 14-15 seconds fc/4 @ 30⁰c
- WEIGHT/LITRE : Base : 1.00 kg
Hardener : 0.80 kg.
- MIXING RATIO : Base (1) : Hardener (1) by volume

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- VISCOSITY OF THE MIX : 22-25 seconds fc/4 @ 30°C.
- DRYING TIME : Touch dry : 10 – 15 minutes
Surface dry : 20 – 25 minutes
Thumb impression free : 45 minutes.
Hard dry : one hour
- POT LIFE : 8 – 10 hours
- COVERING CAPACITY : 12 - 15 sq.mtrs. Per litre single coat.
- FILM THICKNESS : 12 – 15 microns single coat
- FLEXIBILITY : Passes 1/16” mandrel
- CROSS HATCH TEST : Passes
- SALT SPRAY RESISTANCE : 96 hours minimum.
- THINNER TO BE USED : None

➤ Directions for Use

Prepare the surface as recommended under “surface preparation”. Thoroughly stir the base and mix with hardener in recommended proportion. Do not thin because when hardener is mixed, spraying viscosity is obtained. Brushing can be done but spray is to be preferred. The coating being acidic in nature, glasses must be used to protect eyes. Only thin coat must be applied (12-15 microns) as otherwise, extra film thickness does not make any sense.

➤ Notes

The basic colour of rosalee metaprime-h is almost transparent yellow. To facilitate the job of a painter, metaprime-h is tinted to green shade, so that coating is visible, while applying metaprime-h. Mix enough quantity to last one shift because after eight hours of having mixed with hardener, the efficiency is reduced. Wash the gun with any N.C. Thinner.

➤ Disclaimer

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