



Technical Datasheet

PRIMEST® organic metal primer for steel surface

The **PRIMEST® organic metal primer** is a dispersion of the Organic Metal in a specially formulated, conventional lacquer system. This Primer has exceptional bonding characteristics on all metals like iron, steel and cast iron. The noble metal properties of the Primer's Organic Metal act to passivate and ennoble the substrate, hence providing superior corrosion protection.

Important: The **PRIMEST® organic metal primer** exhibits perfect functioning in a system only- together with a suitable and compatible topcoat that is adapted to the corrosive environment as well as to the primer.

Material Active corrosion primer for metals, e.g. iron, steel, cast iron.

Product Paintable primer

Colour Green

Viscosity Approx. 95 sec. (DIN 53211-4)

Solid content Approx. 28%

Film thickness Wet: approx. 75 micron (undiluted)
Dry: approx. 20 microns

Coverage Approx. 4 m²/ kg (with 20-micron thickness.)

Drying time at 20°C / 65% relative humidity
Dust dry : Approx. 6 hours
Dry : Approx. 10 hours
Re-paintable: Approx. 24 hours



Temperature stability	Permanent approx.80°C dry Temporary approx. 150°C dry
Shelf life	Minimum 6 months under normal conditions
Surface preparation	Before applying the primer, clean metal surface thoroughly to remove dust and grease. Where surfaces are oxidized or corroded, all old paint and oxides must be removed completely. In such cases best results are obtained by sweeping with suitable material (e.g. glass pearls). After pretreatment, the surface must be thoroughly de-greased and all dust and other impurities have to be removed.
Painting	The wet layer should be sprayed, parallel and equal with 50% overlapping, so that pores, mistakes and thin spots do not occur. On corners, rough points, weld spots, and edges, special attention is recommended. Pre-painting with a brush or pre-spraying of these areas is necessary. The recommended dry film thickness is <u>20 microns</u> . To avoid pores or mistakes, painting or spraying in two steps is recommended. Pores or mistakes can be repaired with a brush.
Re-coating	The prominent protective attributes of organic metal are only effective in the system within the primer and topcoat. Therefore, the PRIMEST® organic metal primer should be used with suitable and compatible topcoat systems.
Safety precautions	<ul style="list-style-type: none"> - Keep away from sources of ignition- Do not smoke - Avoid contact with eyes and skin - Wear suitable protective clothing - Use only in well-ventilated areas - Do not empty in to drains.

This technical information is based on our evaluations and experiences. They can be changed without announcement to meet actual technical standards. In case of questions concerning the application of the product please contact our technical department.

13/04/2020

