



PRIME AL

Technical Datasheet

PRIME AL[®] organic metal primer for aluminum surface

The **PRIME AL[®] 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 light metals, like aluminum or magnesium and on galvanized steel surfaces. The noble metal properties of the Primer's Organic Metal act to passivate and ennoble the substrate, hence providing superior corrosion protection.

The noble metal properties of the Primer's Organic Metal act to passivate and ennoble the substrate, hence it's use for corrosion protection.

Important: The **PRIME AL[®] 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 LIGHT metals, e.g. aluminum, magnesium and galvanized steel surfaces
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



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Coverage	Approx. 4 m ² / 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 PRIME AL[®] 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.

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