

ISOGUARD ALUMINIUM

DESCRIPTION Oil alkyd-based anti-rust paint containing a combination of micaceous iron oxide and aluminium flake pigmentation. An excellent topcoat with higher UV resistance than for Isoguard Pansar.

RECOMMENDED USES Topcoat for maintenance and repainting of iron, steel sheets and constructions

Rusty surfaces are primed with Isotrol Grund

Recommended intermediate coating: Isoguard Pansar

For cultural heritage, please contact Introteknik for special paint systems

TECHNICAL DATA

Solids volume	65 ± 2 %
Density	1,20 ± 0,05 kg/l
Viscosity	2 min ± 30 sec (Ford Cup 4)
Flash point	+41° C
Binder	Oil alkyd
Typical film thickness	50 microns (when applied thicker drying time increase significantly)
Theoretical coverage	8-10 m ² /l
Drying time	Recoat after 24 h at 23°C and 50 micron (µm) Let the coat hardens 7 days for full strength
Colour	Aluminium grey
Gloss	Semi-gloss 25-35
Painting	Airless, roller, brush
Storage and transport	0°C - 40°C
Packaging	1, 10 litres
Thinner	White spirits
VOC	315 ± 20 g/l

APPLICATION DATA

Pretreatment

Remove oil, grease, soluble salts, loose rust and loose old painting by appropriate means.

Recommended primer: Isotrol Grund, Isotrol Takgrund or Isobett.

Recommended intermediate coat: Isoguard Pansar

The choice of pretreatment method is made regarding the size, structure and condition of the surface.

Application

Mix the paint thoroughly before use. Make sure no sediment of pigments remains at the bottom.

For best result brush around rivets, joints, bolts etc. before painting of the whole surface

Application conditions

The surface to be painted must be dry. The temperature of the ambient air, surface or paint should not fall below +5°C, or raise above +40°C, during application and drying. The paint should not be of a lower temperature than +15°C. Relative humidity should not exceed 80 %. The surface temperature of the steel should remain at least 3°C above the dew point.

Priming

Primer: Isotrol Grund,

Recommended intermediate coat: Isoguard Pansar

Safety instructions

Contains solvents. Do not inhale or ingest.

Further information about hazardous influences and protection see safety data sheet

Results of an airless application test on a vertical surface:

Equipment at test:	Graco Ultra 695
Hosing:	15 m 1/4" hose
Hoses:	Closest to machine 1/4" at extension use 3/8" to prevent pressure drop.
Temperature:	about 20°C at test

Recommended maximum wet application	100 microns
Maximum application before tendencies of paint watering	125 microns
Nozzle	FFA-312 0,17-0,21
Machine filter	100 mesh
Pressure	abt: 170 bar
Recommended pressure depending on temperature and hosing length	140-200 bar