

## ISOGUARD PANSAR

### DESCRIPTION

Oil alkyd-based anticorrosion paint containing a combination of micaceous iron oxide and active anticorrosive pigments. This combination gives a very strong and protective barrier.

Isoguard Pansar contains Isotrol Klarlack.

### RECOMMENDED USES

Maintenance and repainting of iron, metal sheets and steel constructions

Isoguard Pansar is used as:

- primer on non-rusty metal surfaces as galvanized steel sheets
- intermediate coat before topcoats as Isotrol Finish, Isotrol Taktäck or Isoguard Aluminium
- topcoat in one to two coatings.

Rusty surfaces and painted old paintings are primed with Isotrol Klarlack

For cultural heritage, please contact Introteknik for special paint systems

### TECHNICAL DATA

#### Solids volume

52 ± 2 %

#### Density

1,10 ± 0,05 kg/l

#### Viscosity

2 min ± 30 sec (Ford Cup 4)

#### Flash point

+41° C

#### Binder

Oil alkyd

#### Typical film thickness

50 microns dry film  
100 microns wet film

#### Theoretical coverage

8-10 m<sup>2</sup>/l at 50 microns dry film

#### Drying time

Recoat after 24 h at 23°C and 50 microns thickness.  
Thicker coating increase significantly drying time  
Let the coat hardens 7 days for full strength

#### Colour

Standard shades: Red, black and grey.  
Almost all other colour shades also available by tinting

#### Gloss

Semi-gloss 25-35

#### Painting

Airless spray, paint brush, roller

#### Storage and transport

0°C - 40°C

#### Packaging

1, 5 and 20 litres,  
Adjusted colours 3 and 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.

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

#### Rusty surfaces with older paintings:

*Manual remove* all loose paint and rust to a cleanliness degree of St2 according to ISO 8501-1 followed by high pressure cleaning, or

*High pressure waterblasting* up to +70°C and 800 bar.

#### Painted surfaces without rust and painting in good conditions:

High pressure cleaning or alkaline cleaning is sufficient in most cases.

### Application

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

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

Thinned with white spirit if needed

Nozzle 0,017 – 0,021 at airless spray

### 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. Relative humidity should not exceed 80 %. The surface temperature of the steel should remain at least 3°C above the dew point. The paint should not be of a lower temperature than +15°C

### Priming

Rusty surfaces and older paintings; Isotrol Klarlack, Isotrol Takgrund or Isobett.

### 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 ¼" closest to machine,  
at extension use 3/8" to prevent pressure drop.  
**Temperature:** about 20°C at test

	<b>Isoguard Pansar:</b>		
	<b>black</b>	<b>grey</b>	<b>red</b>
Recommended maximum wet application	150 microns	125 microns	200 microns
Maximum application before tendencies of paint watering	200 microns	150 microns	250 microns
Nozzle	LTX-517 0,017–0,021	FFA-312 0,012–0,017	FFA-312 0,012–0,017
Machine filter	60 mesh	100 mesh	100 mesh
Pressure	abt. 150 bar	abt. 170 bar	abt. 170 bar
Recommended pressure depending on temperature and hosing length	170-200 bar	140-200 bar	170-200 bar