

**ISOMASTIC**

*The NEW ISOMASTIC !*

**DESCRIPTION**

ISOMASTIC is a two-pack, epoxy paint with low content of solvents. ISOMASTIC especially pigmented with micaceous iron oxide and aluminium flakes for creating excellent barrier properties.

**RECOMMENDED USES**

Intended for use as a barrier coat in Isotrol Hybrid paint system. Especially suited for maintenance of steel and other metal surfaces.

Rusty surfaces are primed with Isotrol Klarlack Grund.

**TECHNICAL DATA**
**Binder type**

Modified epoxy resin

**Solids volume**

82 ± 2 % (mixture)

**Density**

1,5 ± 0,05 kg/l,

**Typical film thickness**

80-230 microns dry film  
 100-280 microns wet film

**Theoretical coverage**

8 m<sup>2</sup>/l at 100 µm dry film.

**Overcoating intervals**

Overcoating intervals  
 at 100 µm dry film

| Re-coatable without grinding or roughening | + 10°C      |                 | +23°C       |                 |           |                |
|--------------------------------------------|-------------|-----------------|-------------|-----------------|-----------|----------------|
|                                            | min.        | max*            | min.        | max*            |           | max*           |
| With it self                               | after 8 h   | before 3 months | after 4 h   | before 3 months |           | before 1 month |
| By Isodur                                  | after 1 day | before 14 days  | after 1 day | before 1 month  | after 6 h | before 14 days |

\* after exceeding the maximum interval, the surface should be smoothly grinded before overcoated

**Colour**

Aluminum grey

**Gloss**

Semi-flat

**Application**

Airless spray, roller, brush

**Storage and transport**

Store at cool temperatures but always above 0°C  
 Temperature during transport: 0°C – 40°C

**Packaging**

Base 16 L in a 20 L can  
 Hardener 4 L

**Flash point**

+25° C (mixture)

**VOC**

200 g/l (mixed paint)

## APPLICATION

### Surface preparation

Clean and prepare the surface with an appropriate cleaning method.

#### Old painted and rusty surfaces:

- Remove all loose rust and paint to cleanliness Wa2 according to ISO 8501-4 by hot waterblasting up to 800 bar pressure. ... OR :

- Prepare the surface to cleanliness St 2 according to ISO 8501-1 by steel brush and carefully clean the surface by high pressure cleaning. Prime with Isotrol Klarlack Grund.

#### Painted surfaces in good shape:

High pressure cleaning or clean by alkaline wash and rinse is mostly sufficiently. High gloss paint surfaces are flattened by grinding.

NOTE: Waterblasting > 700 bar is securing that all loose or brittle paint is removed.

### Application conditions

The surface to be painted must be clean and dry.

Relative humidity of the ambient air should not exceed 80 %.

The temperature of the paint should not be of a lower than +15°C.

The temperature of the ambient air and surface should not fall below +5°C, or raise above +35°C, during application and drying.

The surface temperature of the steel should remain at least 3°C above the dew point.

Good ventilation and sufficiently air movement is required in confined areas during application and drying

### Application

First stir base and hardener separately. Use power mixer to mix base and hardener thoroughly. Insufficient mixing or incorrect mixing ratio will result in uneven drying of the surface and impairs the properties of the coating.

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

### Mixing ratio

4:1

### Potlife

2 h at 23°C Isomastic Hardener

### Airless spray

Nozzle tip:  
0.015"-0,019"

### Drying time at 23°C

50% RH 100 µm dry film

|                             |                             |             |
|-----------------------------|-----------------------------|-------------|
| Dust free (ISO 9117-3:2010) | Touch dry (ISO 9117-5:2012) | Fully cured |
| 3 h                         | 6 h                         | 7 d         |

### Thinning and cleaning

Thinning TEKNOSOLV 9506

Cleaning: TEKNOCLEAN 9506 or TEKNOSOLV 9530

### Precautionary statements

See labelling and safety sheets.

### Environment

Dispose of contents and container in accordance with all local, regional, national and international regulations