



## TECHNICAL DATA SHEET

### PROTECT E 2K PRIMER

#### Product description

Protect E 2k primer is two component epoxy primer based on Zn phosphate, micaceous and/or Fe oxide as anti-corrosion pigments.

#### Purpose of the product

Product is to be used as primer in steel surfaces protection systems in conditions from medium up to high corrosion.

It is recommended for protection of alignments in chemical and petrochemical industry, bridges and transmission line, cargo and traveller waggons protection, river and marine vessels protection.

#### Technical data

Viscosity (mixture A+B):	min. 60 sec F/4/20°C
Mass density (mixture A+B):	1.32-1.45 g/cm <sup>3</sup>
Colours :	oxide-red and grey
Volume solids :	min.45 %
Dry film thickness :	40 to 80 µm
Theoretical spreading rate:	5.3 m <sup>2</sup> /kg for 60 µm
Curing time, at t=20° C, rh=80%	
on dust :	2 h
on touch:	5 h
for overcoating :	18 h
full dry/cure:	24 h/7 days
Pot life :	8 h

#### Surface preparation

A surface has to be prepared by sand blasting up to purity grade Sa 2.5 according to ISO 12944-4 or mechanical cleaned up to St-3.

Before application, a surface must be freed from dust, grease and must be dry.

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# PROHEMA

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### Application data

Mixing ratio by weight: base 100

catalyst 20

Thinner: Thinner  
E(0-10%)

Conversion factor, wet/dry film: 2.22

Application: by brush, by roller, by air spray  
and airless spray: nozzle diameter 0.019-0.021''  
nozzle pressure 140-180 bara

Application conditions: atmosphere temperature +5 do +35° C  
supstrate temperature min. 3°C above dew point  
r.h. = max. 80 %

Overcoating interval: min. 18 h  
max 72 h ( without surface activation)

### Storage

Separated components for 2 years in the original packing in cool and dry place at 25°C.

### Safety precautions

Safety at work and fire protection are obligatory during the handling with this product. It is necessary to abide to instructions and safety data sheets of the manufacturer.

The technical data are given in order to optimally use the product.  
For all necessary information, contact the manufacturer.

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