

## TECHNICAL DATA SHEET

**PRIMER**

**PROTECT**

### PRODUCT DISCRITION

Protect primer is a high-quality primer for general use on steel. It contains anticorrosive pigment suitable for protecting steel in corrosive environment

### Uses

It is designed for general use of metal surfaces to offer excellent corrosion resistance

1. machines
2. tools
3. implements

### product features

Superior adhesion  
Durable, corrosion resistant  
Easy to use and apply by brush and spray gun  
Easy sanding

### technical information

It is loaded with anticorrosive red iron oxide pigment and other enhancers for fast drying, good adhesion, and superior corrosion on steel substrates



Finish Red or gray coat

Color	Reddish brown and gray
Solid content	60 ± 5 %
Density at 25°	1.5 ± 0.1 gm/cm <sup>3</sup>
Viscosity	2400 CP/25° C



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## Substrate and surface preparation

### Surface Preparation:

- Ensure that the surface to be painted is free from dust, grease and other contaminations.
- For previously painted surfaces, all loose paints must be thoroughly removed to ensure the paint adhesion

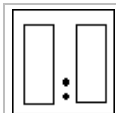
### Steel surfaces:

- Sand and remove the rust.
- Apply 1 - 2 coats of protect primer

## Application

Tools Conventional spray gun – Airless spray gun – Roller – Brush.

Cleaning Turpentine - mineral oil – petrol



: Dilution Turpentine - mineral oil

**Mixing ratio by** 10 – 15 % by weight



### Application viscosity:

4-5 min (F4/20°C)



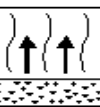



### Spray gun tips:

	Spray Nozzle	Inlet pressure	Atomization pressure
Compliant	1.6-1.8	2 bars (26- 29 psi)	
HVLP	1.6-1.8	2 bars (26- 29 psi)	0.7bar (8-10 psi)
Conventional	1.6-1.8	3-3.5 bar (45-50 psi)	

Refer to the spray gun manufacturer's recommendation.

## Drying time

	<b>Number of coats:</b> Apply 2-3 single coats Total dry film thickness 40-50 microns
	<b>Apply two coats</b>
	1 - 2 hours between coats
	<b>Drying time at :</b> Surface dry 1 - 2 hours Complete dry 6 - 8 hours at 25° C

## Theoretical coverage

1. 6 – 8 m<sup>2</sup>/kg per coat
2. Practical coverage depends on several factors including shape, roughness and porosity of the object to be painted, spraying equipment used, application methods, application conditions, film thickness, etc.
3. For best results, it is always recommended to test the products on scrap pieces of wood before startpaint job

## Shelf life

2 years from production date stored in original packaging at normal conditions. And away from direct sunlight and heat

## Health and Safety

1. For full Health and Safety information please refer to the Material Safety Data Sheet.
2. Observe the precautionary notices displayed on the container.
3. Good ventilation must be provided in the working environment