

## Technical Data Sheet

Date of Issue: 30/09/2022 Revision Date 30/09/2022 | Version 6.0

Product name

# POLYGALV SB

## ZINC RICH PRIMER (SN 176)



### PRODUCT DESCRIPTION

A single pack organic zinc-rich primer for metal surfaces.

### INTENDED USES

- Used for the corrosion protection of mild steel surfaces in humid and coastal environments.
- Also used for the repair of damage on hot dipped galvanised surfaces.

### FEATURES AND BENEFITS

- It provides galvanic protection and prevents under film corrosion.
- It can be used in neutral environments and even immersed in hard water (maximum temperature 60°C).
- Suitable for use in the field and in the shop.
- May also be overcoated with air drying alkyd paints provided that a suitable barrier coat such as STEELTECT 1200 WB(GIP 1) is used.
- Has excellent brush application properties.

### PRODUCT INFORMATION

Appearance	Matt
Colour	Metallic Grey
Volume Solids	± 36% (typical)
Recommended DFT	Min: 25µm, Max: 50µm
Recommended WFT	Min: 75µm, Max: 150µm.
Theoretical spreading rate	10.0m <sup>2</sup> /L at 35µm DFT at stated volume solids.
Practical spreading rate	The practical spreading rate will vary depending on the porosity and profile of the substrate as well as the application techniques & tools used.
VOC	< 573g/L
Flash Point	27°C



Viscosity 95 - 100KU (typical)

**APPLICATION DETAILS**

Mixing Stir well with a power agitator until completely homogeneous.

Method Brush application

Application environment Surface Temperature Min\*: 10°C Max: 40°C  
Ambient Temperature Min\*: 10°C Max: 40°C  
Relative Humidity Min\*: 10% Max: 85%  
\*Or 3°C min. above dew point

Thinning THINNER 5030(PUR 1)

Cleaning THINNER 5030(PUR 1)

Drying Time Touch dry 20min at 23°C  
Over coating(Min) 4h at 23°C -Allow 3 days before finishing coatings  
Over coating(Max) Indefinite at 23°C  
Dry to handle 2h at 23°C

**STORAGE AND PACKAGING**

Store away from direct sun, heat, open flames, sparks and severe cold.

Shelf Life: 24 months

Single Pack: 500g,2Kg and 10Kg

**SURFACE PREPARATION**

All surfaces must be firm, dry, and clean, free from oil, grease, or any other contaminants.

All surfaces before painting should be assessed and treated in accordance with ISO 8504 -1:2000 and 8504 -2:2000

**MILD STEEL**

- Oil and grease should be removed using STEELTECT 7100 SB(GR1) followed by clean water rinses.
- Soluble chloride content may not exceed 75mg/m<sup>2</sup>.
- Dust and debris not to exceed 0.3% when tested in accordance with SANS test method 769.



- Preferred surface preparation is abrasive blast clean to SA 2½ of the International standard ISO 8501-1:2007 to achieve an angular blast profile 50 -75 µm or if abrasive blasting is impossible, mechanically abrade to Grade ST3 ISO 8501-1:2007 – this is not as effective as abrasive blasting and will reduce the life expectancy of the coating system.
- The primer must be applied before oxidation of the steel occurs. If oxidation does occur the entire oxidised area should be re-blasted or abraded to the standards specified above.
- On surfaces where limited rust spots occur, sand back to bright metal with coarse paper.

#### **GALVANISED STEEL – SPOT REPAIR**

- The damaged and surrounding areas should be abraded with abrasive paper to roughen the surface and remove any visible corrosion.

#### **WEATHERED POLYGALV SURFACES**

- Wire brush thoroughly.
- Then scrub with STEELTECT 7100 SB(GR 1).
- Rinse thoroughly with fresh water and allow to dry.

#### **APPLICATION INFORMATION**

- Apply an even coat by brush.
- If necessary, apply a second coat to achieve the required DFT.
- Not suitable for overcoating directly with air drying alkyd paints.
- Keep container tightly closed when not in use to prevent moisture entering.

#### **SAFETY PRECAUTIONS**

- Always keep paint out of reach of children.
- Ensure good ventilation during application and drying.
- If accidental contact with skin should occur, wash immediately with soap and water or a recognised skin cleaner.
- Take care to avoid contact with the eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention.
- Harmful if swallowed. Seek medical attention and do not induce vomiting.
- Do not smoke while painting.
- Flammable. Store in a cool dry place away from heat and sparks.
- Refer to Safety Data Sheet for complete information.



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### **DISCLAIMER**

The recommendations contained herein are given in good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be dependable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

**NB:** Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.

**NB: TO ORDER:** Quote product name, product code number, packaging, and colour.

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