



Barloworld
Plascon South Africa

GALVANISED IRON PRIMER

TECHNICAL DATA SHEET NO.:
DATE:

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PRODUCT CODE: GIP 1

THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

Product Description	A beige coloured waterbased metal primer free from toxic pigments.			
Intended Uses	• For use over appropriately cleaned galvanised steel to provide good adhesion for paint systems.			
Features	• A beige coloured waterbased primer which contains no lead, chromate, or other toxic ingredients. • It may be overcoated with a wide range of topcoats such as alkyds, vinyl and waterbased types, but two-pack polyurethanes, epoxies and nitro-cellulose lacquers are not recommended.			
Product Information	Appearance	Semi-matt / low sheen		
	Colour	Beige		
	Generic type	acrylic emulsion		
	Solids	Approx. 52 % by mass; 39 % by volume		
	S G at 23 °C	1,33 kg/ℓ (typical)		
	Recommended DFT	Min.: 25 µm	Max.: 40 µm	
	Theoretical spreading rate	13.0 m²/ ℓ at 30µm DFT		
	Typical spreading rate	Please apply appropriate correction factors		
	Viscosity at 23 °C	Approx. 93 KU		
Flash point	Non-flammable			
Application Details	Mixing	Stir thoroughly with a flat paddle until homogeneous.		
	Method	Brush, roller or airless spray.		
	Thinning	Water - see Application.		
	Cleaning	Water		
	Substrate	Well prepared galvanised steel.		
	Application Environment	Surface Temperature	Ambient Temperature	Relative Humidity
		Min.: 5 °C	Min.: 5 °C	-
		Or 2 °C min. above dew point		
	Drying time	Max.: 50 °C	Max.: 40 °C	Max.: 85 %
		Touch dry	30 min at 23 °C	
Recoating -				
With waterbased topcoat		2 h at 23 °C		
With solvent based topcoat		24 h at 23 °C		
Maximum overcoating		30 days		
Storage and Packaging	Store away from direct sun, heat and severe cold. Packaging: 1ℓ, 5 ℓ and 25ℓ.			

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Surface Preparation	<ul style="list-style-type: none"> Ensure that surfaces are dry, sound, and free from dust, dirt, grease and oil before painting. <ol style="list-style-type: none"> 1. GALVANISED STEEL (new and weathered): Remove all traces of temporary protective coating, dirt, grease, etc. from new surfaces using GALVANISED IRON CLEANER (GIC 1). Remove all traces of the cleaner by rinsing with fresh water. Check surface for water break-free condition (i.e. water completely wets the surface without crawling back into droplets). If necessary, repeat the cleaning process until this condition is obtained. Allow surface to dry and apply the PRIMER the same day. Prepare weathered surfaces as above to obtain a clean surface free from oxidation. Remove red and white rust by abrading back to bare metal. Spot prime areas where red rust has been removed with COASTCOTE ETCH PRIMER RED OXIDE (SNK 2) – see Product Data Sheet for application details. 2. PREVIOUSLY PAINTED SURFACES: Remove loose and flaking paint and rust and clean bare metal areas as in 1. above before spot priming bare metal areas with GALVANISED IRON PRIMER (GIP 1).
Application	<ul style="list-style-type: none"> Apply by brush or roller. It can be sprayed using airless spraying equipment without thinning. However, if dilution is necessary, use a minimum amount of WATER only.
Cautions	<ul style="list-style-type: none"> DO NOT mix with other galvanised iron primers. Do not overcoat with two-pack polyurethanes, epoxies and cellulose nitrate paints. Observe overcoating times.- Avoid painting during inclement weather or if temperature is below 5 °C.
Safety Precautions	<ul style="list-style-type: none"> Keep out of reach of children. Ensure good ventilation during application and drying. In case of skin contact, wash with soap and water or a recognised skin cleaner. Avoid contact with eyes – In case of contact, rinse eyes immediately with plenty of water and seek medical advice if symptoms persist. If ingested give plenty of water / milk. Do not induce vomiting. Seek medical attention. Refer to Material Safety Data Sheet for complete information.
Transportation	<ul style="list-style-type: none"> This product is non-hazardous in accordance with Transportation and Classification of Dangerous Goods Act (1996).

DISCLAIMER:

The recommendations contained herein are given in all 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 reliable. 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.

N.B.: 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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