




Technical Data Sheet

EP Range Of Primers

Product Description	<ul style="list-style-type: none"> • 1K Polyvinyl Butyral Primer with Epoxy reinforcement. • Good weld through properties, adhesion and flexibility. • Quick drying properties. • Provides corrosion protection. • Resistant to oil spills & splashes.
Technical Description	<ul style="list-style-type: none"> • Colours (Red Oxide: EP 1, Black Etch: EP 2, Grey: EP 4) • Easy application, this product can be used to achieve a self-priming finish in a variety of applications. Ideal for use on vehicle chassis & underbody components and other steel substrates. • Stir with a flat paddle until completely homogeneous, airless spray, conventional spray, dipping & brush application methods. Small areas only.
Working Process	<ul style="list-style-type: none"> • Weld through Primer @ 10 - 15 microns only. • Low sheen when dry.
Substrate	<ul style="list-style-type: none"> • Bare Steel, sanded / abrasive blasting.
Pretreatment / Cleaning	 <ul style="list-style-type: none"> • Ensure that all surfaces are clean, free from dust, oil, grease or other contaminants by using Mastermix Pre Cleaner (PTK 310).
Application	 <ul style="list-style-type: none"> • Use air fed respirator. • Refer to relevant Health and Safety Data sheets.
Application environment	<ul style="list-style-type: none"> • Surface temp.: 5°C min - 45°C max. • Ambient temp.: 5°C min - 40°C max
Safety Precautions	<ul style="list-style-type: none"> • Refer to SDS for complete information.
Welding	 <ul style="list-style-type: none"> • Mix with KNT 1. • 14 - 17 sec Din 4 @ 23°C.



- 1.3 - 1.4 mm.
- HVLP: 1.8 - 2.0 bar.
- Conventional: 2 - 3 bar.
- 1 Coat = 10 - 15 microns.











- 1.6 - 1.8 mm.
- Conventional: 2 - 3 bar.
- 1 Coats = 10 - 15 microns.





- **Drying time @ 23°C.**
- Touch Dry: 15 min.
- Dry to handle: 30 min.



- Overcoat with Plascon Automotive finishes.

Working Process	<ul style="list-style-type: none"> • 1K Etch Primer. • Matt when dry.
Substrate	<ul style="list-style-type: none"> • Bare Steel, sanded / sand blasted. • Galvanized steel, sanded.
Pretreatment / Cleaning	 <ul style="list-style-type: none"> • Ensure that all surfaces are clean, free from dust, oil, grease or other contaminants by using Acryline Pre-cleaner (ATH 310).
Application	 <ul style="list-style-type: none"> • Use air fed respirator. • Refer to relevant Health and Safety Data sheets.
Application environment	<ul style="list-style-type: none"> • Surface temp.: 5°C min - 45°C max. • Ambient temp.: 5°C min - 40°C max.
Safety Precautions	<ul style="list-style-type: none"> • Refer to SDS for complete information.   <ul style="list-style-type: none"> • 18 - 20 sec Din 4 @ 23°C.  <ul style="list-style-type: none"> • 1.3 - 1.4 mm. • HVLP: 1.8 - 2.0 bar. • Conventional: 2 - 3 bar. • 2 Coats = 15 - 35 microns.  <ul style="list-style-type: none"> • 1.6 - 1.8 mm. • Conventional: 2 - 3 bar. • 2 Coats = 15 - 35 microns.  <ul style="list-style-type: none"> • 5 min @ 23°C between coats (until matt).  <ul style="list-style-type: none"> • Drying time @ 23°C. • 20 - 30 mins. • Force Dry Possible 15 mins @ 60°C panel temperature.

	 <ul style="list-style-type: none"> • De-nib with Scotch Brite.
	 <ul style="list-style-type: none"> • Overcoat with Plascon Automotive finishes.
Flashpoint	<ul style="list-style-type: none"> • < 23°C.
Specific Gravity	<ul style="list-style-type: none"> • 1.01 - 1.06 g/cm³.
Solid Content	<ul style="list-style-type: none"> • 27 - 32% (by weight).
Average DFT	<ul style="list-style-type: none"> • Up to 25 microns depending on working process.
Raw Material	<ul style="list-style-type: none"> • Polyvinyl butyral / Epoxy reinforcement, corrosion-resistant pigments Alcohols, aromatic hydrocarbons and ketones.
Cleaning of Equipment	<ul style="list-style-type: none"> • Clean after use with Lacquer Thinners.
Shelf Life	<ul style="list-style-type: none"> • 12 months @ 20 - 25°C in original sealed packaging.
Important Remarks	<ul style="list-style-type: none"> • For professional use only. • This product cannot be used over ACRYLIC LACQUERS, (CERTAIN) AIR DRYING SYNTHETICS, UNCURED PAINT WORK, WATERBASED FINISHES AND THERMOPLASTIC FINISHES. • Not recommended for aluminium substrates. • Do not over coat with polyester based products.



- Protect from sunlight.



- Working areas should be well ventilated.
- Booth must have good extraction.
- Refer to Safety Data Sheet (SDS), for download from www.plascon-automotive.co.za.



- Protect from severe cold.



- This Product contains flammable materials.
- Keep away from sparks & open flames.
- No smoking permitted in the area.

Warning:

Contact with skin and eyes should be avoided. Contact with eyes should be referred to a Doctor after washing with water. Gloves and goggles should be worn when handling these products, as well as suitable respiratory equipment. Ensure work area is well ventilated. Inhalation of spray mists must be avoided. Splashes of paint in eyes should be flushed out with water. Contact lenses, if in use, must be removed. Paint in contact with skin must be removed promptly and then washed with soap and water.

Note:

The information contained here represents the current state of our knowledge and is intended as a guide to our products and their uses. It is not intended as an insurance of certain product properties or of their specific applications. The warnings displayed on the product labels should be followed. Any industrial property rights should be observed. We guarantee perfect product quality under the terms of our general conditions of sale.

All other MasterMix Technical Data Sheets (TDS's) can be downloaded from www.plascon-automotive.co.za.

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. Should a recommendation be of a GENERAL NATURE and not refer to any particular project, and should the reader wish to use the general specification for a PARTICULAR project, then he should first confirm with the Technical Service Department that the specification can be used. Not all products referred to in this Data Sheet are stock items. Many are manufactured only on receipt of official customer orders. It is essential, therefore, where time is of the essence, to check availability and manufacturing lead times with us.

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