

GENERAL PURPOSE PRIMER

DI010

PRODUCT CODE: GENERAL PURPOSE PRIMER RED OXIDE. GPR (01) (05) (20) (200)

PRODUCT DESCRIPTION: *General Purpose Primer*, is a solvent-based, fast drying primer for application to prepared steel. The product has been developed for use by fabrication shops and for general steel applications. For our alternative water-based, lead free H₂O range of products visit www.durapaints.co.za.

INTENDED USES: An economical, air drying primer for steel applications.

FEATURES: *General Purpose Primer* is lead free and quick drying. *General Purpose Primer* is a single pack product, with excellent flow and a matt finish.

PRODUCT INFORMATION:

- | | |
|------------------------------|----------------------------------|
| • APPEARANCE | Matt finish. |
| • COLOUR | Red Oxide. |
| • VOLUME SOLIDS | 45% by volume
28% by mass |
| • S G @ 25°C | 1.08 – 1.13 |
| • RECOMMENDED DFT | Min: 30 µm (per coat) |
| • VISCOSITY @ 25°C | 68 to 72 KU @ 25°C |
| • THEORETICAL SPREADING RATE | 8 M ² / l @ 30 µm DFT |

APPLICATION DETAILS:

- MIXING Stir thoroughly with a flat paddle until homogeneous. Do not shake as this may cause air bubbles.
- SUBSTRATE Pre-cleaned steel.
- METHOD Conventional or airless spray.
- CLEANING Dura QD thinners,
- THINNING RATIO Up to 10% Dura QD thinners, depending on application Equipment.

APPLICATION ENVIRONMENT

Surface Temp	Ambient Temp	Relative Humidity
Min 10°C or 2°C above dew point	Min 10°C or 2°C above dew point	Min: 10%
Max.: 40°C	Max.: 40°C	Max.: 85%

- DRYING TIME

Surface dry:	15 minutes @ 25°C
Hard dry:	2 Hours @ 25°C
Recoating:	4 Hours @ 25°C

SURFACE PREPARATION:

- The surface must be clean, dry and free from rust, dirt, dust, oil, grease and any other contamination before painting.

Unpainted Steel:

- Preferably sand blast the substrate. Alternatively, remove rust by sanding or wire brush.
- Degrease with *Hydro Clean* or *ProLong Grease Devil*. Rinse thoroughly with fresh water and allow to dry. Alternatively use Dura Lacquer Thinners.
- Prime the prepared steel with one or two coats of **General Purpose Primer**, depending on the required DFT.
- Overcoat with one or two coats of *QD Enamel* or *Autocote*, depending on the colour, required DFT and finish.

Previously painted surfaces in good condition:

- Remove loose and flaking paint down to a sound substrate and a firm edge by scraping and lightly sanding existing paint to ensure good adhesion.
- Spot prime bare areas with **General Purpose Primer**.

TECHNICAL DATA SHEET

GENERAL PURPOSE PRIMER (contd.)

Previously painted surfaces in poor condition (e.g. extensive peeling):

- Completely remove paint by most appropriate means e.g. scraping, coarse sanding, or sandblasting.
- Degrease with Hydro Clean or ProLong Grease Devil. Rinse thoroughly with fresh water and allow to dry.
- Prime the prepared steel with one or two coats of **General Purpose Primer**, depending on the required DFT.

APPLICATION:

- Conventional or airless spray method is recommended.
- Thinning is not recommended, however a thinning ratio of up to 10% with Dura QD thinners, may be applied, depending on application equipment.
- Apply one to two coats of **General Purpose Primer** to the prepared surface so as to achieve complete obliteration and the required DFT. A third coat is recommended for coastal areas.
- Overcoat with one or two coats a suitable solvent-based top coat (e.g. **QD Enamel** or **Autocote Enamel**).

STORAGE AND PACKAGING:

- Store in approved fire store.
- Store away from direct sun, heat and severe cold. Do not exceed 50°C.
- Shelf life 12 months from date of manufacture, when correctly stored and unopened.
- Single pack. 1lt, 5lt, 20lt & 200lt
- Empty containers should be left open in well ventilated area to dry out.
- Do not pour paint down the drain.
- Brush out unwanted paint on newspaper, allow to dry and dispose of via waste collection.
- Dry containers can be disposed of via waste collection or recycled via recycling programs.

TRANSPORTATION:

This product is classifiable in accordance with transportation and classification of dangerous goods act (1996). Flammable.

SHIPPING NAME:	Paint related material
PACKAGING GROUP:	III
HAZARD CLASS:	3
S.I.N/UN NUMBER:	1263

CAUTIONS:

- Avoid painting during inclement weather or if temperature is below 10°C.
- Drying times increase as ambient temperature falls below 25 °C.
- Do not add water to this product.
- Do not overcoat with water-based top coats.
- For optimum performance a practical spreading rate of 8 M² / l should not be exceeded.
- Brush application is not recommended.
- Not recommended for acid or alkaline conditions.

TECHNICAL DATA SHEET

GENERAL PURPOSE PRIMER (contd.)

SAFETY PRECAUTIONS:

- 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 recognized skin cleaner. Avoid contact with eyes – In case of contact, rinse eyes immediately with plenty of water and seek medical attention.
- Harmful if swallowed. Seek medical attention.
- Refer to Safety Data Sheet (SDS) for complete information. See www.durapaints.co.za.

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 experiences and tests and are believed to be reliable.*
- *Products are manufactured to stringent specifications under laboratory controlled conditions. 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. Warranty is restricted to the replacement of defective product and excludes any direct, indirect or consequential loss of any nature howsoever caused.*
- *Technology may change necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used. See www.durapaints.co.za.*