

TECHNICAL DATA SHEET

PROMINENT INDUSTRIAL QD ETCH PRIMER

Date: January 2025

THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

PRODUCT DESCRIPTION

A versatile Etch primer that can be applied by a variety of methods to most surfaces and provides a sound base for most top coating systems.

INTENDED USES:

1. As a post blast primer on all steelwork, it provides immediate protection while drying rapidly enough not to pick up debris from adjacent blasting operations.
2. As a first coat for rapid in-plant maintenance systems in corrosive environments where it is desired to apply 2 – 3 coats on the same day.
3. For universal repair and maintenance.

FEATURES:

1. Excellent adhesion to steel, galvanized iron, aluminium
2. Quick drying to dust-free stage.
3. Will stand careful handling after 30 - 60 minutes at 23°C.
4. Can be coated with most finishes within 2 hours.
5. Reduces under creep of rust when used as the base of a high build system.

PRODUCT INFORMATION:

| | |
|---------------------------------|---|
| Appearance: | Slight sheen. |
| Colours: | Red & Black. |
| Solids: | 25.76% by mass; 30% by volume. |
| Density: | 0,95Kg/litre. |
| Recommended Wet Film Thickness: | 75µm |
| Recommended Dry Film Thickness: | 15 - 25µm. |
| Spreading rate: | ± 8 m ² /litre depending on surface profile. |
| Viscosity at 23°C: | 51.6KU. |
| Flash point: | 23°C. |
| Respecting the environment: | Dispose of excess product and containers in a responsible manner without harming the environment. |

This product is manufactured under strict SABS ISO 9001:2015 quality standards.

STORAGE:

Keep containers properly sealed.
Store away from direct heat, sun and severe cold in a place with adequate ventilation.

PACKAGING:

1Lt, 5Lt, 20Lt & 200Lt - Red
1Lt, 5Lt, 20Lt & 200Lt - Black

TECHNICAL DATA SHEET

PROMINENT INDUSTRIAL QD ETCH PRIMER

APPLICATION DETAILS:

| | | | |
|-------------------------|---|--|--------------------------|
| Mixing: | Stir well before use with a flat paddle to an even consistency. Stir occasionally during use. | | |
| Method: | Spray, Brush (small areas only). | | |
| Thinning: | Ready for use Airless spray: Spray: Brush: | | |
| Cleaning: | Remove as much of the product as possible from the application equipment before cleaning with Lacquer Thinners. | | |
| Application Conditions: | <u>Surface Temperature</u> | <u>Ambient Temperature</u> | <u>Relative Humidity</u> |
| | Min: 5°C | Min: 5°C | Min: 10% |
| | or 2°C above dew point, if possible, away from direct sunlight | | |
| | Max: 40°C | Max: 40°C | Max: 85% |
| Drying time: | <u>Touch dry:</u> | <u>Overcoating:</u> | |
| | 15 minutes at 23°C | Q.D. Enamel: 2h at 23°C | |
| | | Epoxy: Minimum 2 Days | |
| | | Maximum: One Month depending on the Weather. | |
| | Note: higher temperatures will accelerate the drying times (approximately halved for every 10°C increase) whilst lower temperatures will retard the drying times (approximately doubled for every 10°C decrease). | | |
| Requirements: | 2 coats minimum. | | |

SURFACE PREPARATION

Surfaces must be sound, clean, grease free and dry before painting.

1. Steel Manual cleaning with General Purpose Cleaner diluted 1:10 with water using a scouring pad. In maintenance situations and surface is rusted then also use Prominent Multi Surface Etch Cleaner to remove surface rust. Allow the steel to dry before priming. Prepare steel by wire brushing to grade Sa 2 of ISO 8501-1:1988
2. Galvanised steel Remove fabricators pre-treated oil, oxidation or any other contamination with Prominent General Purpose Cleaner at a diluted ratio of 1:10 with water and then rinse with clean water. Make use of Prominent Multi Surface Etch Cleaner and abrasive pads. Ensure that a water break-free surface is obtained. Rinse well and allow drying
3. Other surfaces Remove all loose materials and degrease with Prominent General Purpose Cleaner and water mixture (1:10) and scouring pads. Rinse with clean water and allow drying before applying.
4. Maintenance Clean back to sound substrate by the most suitable of the above methods. Do a test area to confirm that existing paintwork will not be lifted. If it is, it must be blasted or stripped off.

LIMITATIONS:

1. The film build is not sufficient enough to provide self-weathering of the coating beyond one month.
2. The acid component can interact with epoxy curing agents; therefore, the Prominent Industrial Etch Primer must cure for at least 2 days before over coating with Prominent Paints 2-Pack Polyurethane.
3. Thicker coatings take longer to dry thoroughly.
4. Warm surface temperatures can cause the coating to stay soft during application.

TECHNICAL DATA SHEET

PROMINENT INDUSTRIAL QD ETCH PRIMER

SAFETY PRECAUTIONS:

1. Keep out of reach of children.
2. Ensure to maintain good ventilation during application and drying process.
3. In case of skin contact, wash with soap and water or a recognised skin cleaner. Avoid contact with eyes. In case of contact with eyes rinse immediately with running water and seek medical advice
4. If product is ingested, drink plenty of water or milk. Do not induce vomiting at any time. Seek medical advice.
5. Refer to the Material Safety Data Sheet (MSDS) for detailed information about the product and transportation and classification criteria. MSDS is available on www.prominentpaints.co.za or from the Prominent Paints Customer Service Department.
6. To avoid any risk of spillage, always transport in a secure upright position.

DISCLAIMER:

The information contained herein is given in good faith and is meant merely as a guide for the specifier or user. It is gained from results obtained from our experience and tests conducted under controlled conditions. No warranty/guarantee is implied since the conditions of use, application method, substrate and cleanliness of the substrate are beyond Prominent Paints control. For a surface specific specification contact the Prominent Paints Customer Service Department for assistance. This issue supersedes all previous publications.

Important Note: 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 for reference. Prominent Paints Technical Data Sheets are available on www.prominentpaints.co.za or from the Prominent Paints Customer Service Department.

Prominent (Pty) Ltd.
11 Dan Jacobs Street.
Alrode Alberton 1449
P.O. Box 136166
Alberton North 1456

Customer Service Department:
Tel: +27 86 177 6646
Tel: +27 11 389 4746

Reg. No. 1997/006763/07