



**BERGER**  **Protecton** PROTECTIVE COATINGS

## Duroglaze QD PF Coating

### USES

An acrylated alkyd based **primer cum finish** specifically designed for Aluminium, Galvanized or Mild Steel Surfaces for **component and equipment manufacturing units**.

### SCOPE

A premium quality quick drying **primer cum finish** suitable for internal and mild exposures used **directly over metal surfaces**. The quick drying mono coat system has excellent block resistance and handling characteristics.

### PRODUCT DATA

**Type** : Single Pack quick drying  
**Composition** : Acrylated Alkyd with anticorrosive pigments  
**Volume Solids**: 40 ± 2%  
**Application** : Conventional Spray [Brush for touch-up]  
**Recommended DFT** : 50 - 75 µ per coat  
**Corresponding WFT**: 125 - 188 µ per coat  
**Theoretical Spreading Rate**: 5.3 to 8.0 m<sup>2</sup>/Ltr /coat  
**Drying Time** :  
     TOUCH : 5 - 8 minutes (tack free 10-15 min)  
     HANDLE : 3-4 hours  
     HARD : Overnight

**Flash Point** : Above 22°C

**Colour** : Black

**Finish**: Matt

**Packing**: As per field requirement

**Thinner/Cleaner** : Thinner 853

**Storage Life** : Upto twelve months as long as the sealed containers are kept under cover in a dry place under normal temperature conditions.

### RESISTANCE GUIDE

**Salt Spray resistance** : Good even in single coat

**Humidity Resistance** : Good even in single coat

**Gloss Retention** : Good

**Temperature Resistance** :

Continuous: 90°C

Intermittent : 120°C

**Flexibility** : Good

**Adhesion** : Good

**Abrasion Resistance** : Very Good

**Impact Resistance** : Good

**Alcohol Solvent Resistance** : Good

**Blocking Resistance** : Excellent

Maturation Time before Testing : 48 - 72 Hrs.

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**Issue Date** : Nov 2014

**SURFACE PREPARATION**

**ALUMINIUM/ GALVANIZED SURFACE:** Remove grease, oil and other contaminants preferably by using Solvent cleaning to SSPC SP1.

**MILD STEEL:** Remove grease, oil and other contaminants preferably by using Solvent as per SSPC SP1. Make full use of mechanical tools alongwith manual chipping and wire brushing to remove loose rust to SSPC SP2 or SP3 for Rust Grade C or D in new steel. Excessive burnishing of steel has to be avoided while working with power tools. For new steel mill scales are to be removed by either pretreatment or abrasive blasting (as per SSPC SP 7). Thoroughly dust down all surfaces. The surface should be clean and dry before application of coating.

**APPLICATION**

Mix the contents thoroughly before and during use.

Brush/Roller : Apply preferably without thinning. If required, add upto 5% Thinner 853.

Conventional Spray : Add upto 25-30% Thinner 853. Use any standard equipment using a handgun with 66 fluid tip, 70 thou Orifice, 50-60 atomising pressure.

**TYPICAL PAINTING SPECIFICATIONS**

Surface	1st Coat	2nd Coat
Aluminium/ Galvanized Iron	Duroglaze QD PF Coating	Duroglaze QD PF Coating (optional)
Abrasive blasted Steel or Pretreated Steel	Duroglaze QD PF Coating	Duroglaze QD PF Coating

**Notes :**

1. Do not apply when temperature falls below 10° C or rises above 50° C and when relative humidity rises above 90%. Do not apply during rain, fog or mist.
2. To ensure to have the steel temperature by 3°C above the dew point temperature

Health & Safety : Please refer to the separate Safety Data Sheet available with detailed information.

**DISCLAIMER**

The information contained within this Data Sheet is based on information believed to be reliable at the time of its preparation. The Company will not be liable for loss or damage howsoever caused including liability for negligence, which may be suffered by the user of the data contained herein. It is the users' responsibility to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of results is implied since conditions of use are beyond our control.

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