
PRODUCT DESCRIPTION

A single component, quick drying, high build, alkyd primer pigmented with zinc phosphate anti-corrosive pigmentation.

INTENDED USES

QD Primer is designed for application to all types of steel surfaces in mild industrial and commercial environments exposed to inland environmental conditions.

The primer is characterized by its fast turn-around time, easy application, and adhesion to hand cleaned steel and corrosion protection properties.

CHARACTERISTICS

- Easy to use one component product that can be brush or spray applied
 - Good anti-corrosive properties
 - High film builds achievable on at higher viscosities
 - Quick Drying with high coverage
 - Contains Zinc Phosphate
 - Aerosol Touch up packs available
 - Single pack
 - QD Primer may be applied at 75 microns dry film thickness where additional corrosion protection may be required.
-

PRODUCT INFORMATION

Colour	Standard Red Oxide & Grey, other colours on request
Finish	Smooth Semi Matt
Density	1.28 kg/litre
Volume Solids	45%
Typical Film Thickness	50-100 microns dry
Theoretical Coverage	▪ 9 m ² /litre at 500 microns dft, allow loss factors
Method of Application	Brush, Roller or Spray
Flash Point	26°C
Temperature Resistance	Dry continuous – 80°C
Number of Coats	1 by brush or Spray

DRYING INFORMATION

	0°C	5°C	15°C	25°C	40°C	45°C
Touch Dry	-	45 mir	30 mir	20 mir	10 min	-
Hard Dry	-	4 hrs.	2½ hrs	1½ hrs	1 hr.	-
Full Cure				-		

Overcoating Data – See Limitations

Substrate Temp.	0°C	5°C	15°C	25°C	40°C	45°C
Minimum	-	24 hrs	10 hrs	4 hrs.	1 hr.	-
Maximum				*Extended		

Note

*See Speccoats™ Definitions and Abbreviations

SURFACE PREPARATION

The performance of this product will depend upon the degree of surface preparation. The surface to be coated must be cleaned and free from contamination. Prior to paint application all surface should be assessed and treated in accordance with ISO 8504:2000.

Accumulated dirt and soluble salts must be removed. Dry bristle brushing will normally be adequate for accumulated dirt. Soluble salts should be removed by fresh water rinsing. Oil or grease should be removed in accordance with SSPC-SPI solvent cleaning.

Maintenance and Site Touch-up

The product is designed for application to surfaces prepared to St2 (ISO 8501-1:2007) or SSPC SP2. When using power tools care should be taken to avoid surface polishing. The product may also be applied to surfaces which have been brush blasted to Sa1 (ISO 8501-1:2007) or SSPC-SP7.

On Surfaces prepared to St2 (ISO 8501-1:2007) or SSPC-SP2, brush application will assist surface wetting and improve subsequent coating performance.

Abrasive Blast Cleaning and Mechanical Preparation –Steel - Preferred

All surfaces to be coated must be dry, clean and free from contamination. This product should be applied to surfaces prepared by abrasive blast cleaning to Sa 2½ in accordance with International Standard ISO 8501:2007 and SSPC-SPI10. A blast profile of 50-75 microns is recommended or alternatively mechanically abrade the surface using grinding or flapper discs to achieve a similar profile

APPLICATION

Mixing

Material is supplied in steel containers. This is a one component product and does not require a hardener.

Agitate/stir the product well before use to ensure a homogeneous mix and no settlement of pigments

The temperature of the mixed product should preferably be above 10°C. Higher temperatures results in reduced sag resistance and faster cure

APPLICATION

Pot Life

No limitation, if product thickens use thinner to reduce viscosity.

Thinner

Lacquer or QD Thinners 0-20% depending on Application

Airless Spray

Recommended Tip Range 11-17 Thou. Pressure at the tip should not be less than 170 bar (2500 PS

Air Spray

Recommended	Gun	Pressure/Gravity Feed
	Fluid Tip	1.1 mm to 1.6 mm

Brush/Roller

Suitable Typically 40-50 microns can be achieved

Work Stoppag

Thoroughly flush all equipment with Lacquer or QD Thinners. All unused material should be stored in tightly closed containers. Partially filled containers may show surface skinning and/or a viscosity increase of the material after storage. Material should be filtered and viscosity e-adjusted before used.

Clean Up

Clean all equipment immediately after use with Lacquer or QD Thinners. It is good working practice to periodically flush out the spray equipment during the course of the working day. Frequency of cleaning will depend upon the amount sprayed, temperature and elapsed time, including delays.

Environment

	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	5°C*	10°C	No lower limit
Maximum	40°C	45°C	85%

*Or 3°C above the dew point

LIMITATIONS

- This product is not intended for use in aggressive, corrosive environments or on heavily pitted or contaminated steel.
- This product is not recommended for use in immersion conditions.
- Over-application will extend both the minimum overcoating periods and handling times and may be detrimental to long term overcoating properties.
- Do not apply if temperature is less than 10°C, relative humidity exceeds 85% or temperature is within 3°C of dew point.
- Overcoating information is given for guidance only and is subject to local climate and environmental conditions. Consult a Speccoats™ representative for specific recommendations
- When applying QD Primer by brush or roller it may be necessary to apply multiple coats to achieve the total specified film thickness of 75 microns dft.
- Technical and application data herein is for the purpose of establishing a general guideline of the coating application procedures.
- Test performance results were obtained in a controlled laboratory environment and Speccoats™ makes no claim that the exhibited published test results, or any other tests, accurately represent results found in all field environments. As application, environmental and design factors can vary, due care should be exercised in the selection and verification of the performance and use of the coating

UNIT SIZE

5, 20 & 200Lt

STORAGE

Shelf Life 12 months at 25°C - from date of manufacture

Subject to inspection thereafter. Store in dry conditions out direct sunlight away from source of heat or ignition
Store at temperature between 5 and 35°C

IMPORTANT NOTE

Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product