

TECHNICAL DATA SHEET



QD Enamel

Product:

Revision 2

Last revision:

08/03/2016

We at COSOL strive to supply the highest quality of QD Enamels. Our products offers the highest durability while being noted as a fast drying paint with excellent adhesion.

COSOL QD enamel offers good leveling, coverage and adhesion on clean, steel substrate.

The color pigment in COSOL QD Enamels is an ink based product that have very good UV resistance properties.

By using this method we are able to cover a color range of way more than 1000 colors. At COSOL products we make use of the SABS, RAL, and NCS color standards to ensure consistency of the chosen color.

At COSOL Products we use a computerised color mixing system with a color database of each client. For us at COSOL products it is possible to ensure perfect color repetition using the latest technology available.

COSOL QD Enamel recommended for steel substrates in domestic and mild corrosive environments.

COSOL QD Enamel is a fast drying, gloss product with excellent long lasting properties.

Description:

COSOL QD Enamel is ideal for industrial, maintenance and new construction applications. It offers effective and versatile application because of its quick dry properties. Color matching can be done on site. COSOL QD Enamel formulated to give a tough, durable, beautiful gloss, long-lasting finish.

Please use the correct PPE and safety measures when using this product in an enclosed environment.

COSOL QD Enamel can be used directly on metal, however in high corrosive environments it is recommendet to use COSOL etch Primer with added Zinc Phosphate as Primer.

Advantages:

COSOL QD Enamel can be applied using conventional, airless or electrostatic spray equipment, roller, or by dipping. COSOL QD Enamel is exceptionally fast drying which saves you time and money.

Properties:

Color available:	More than 1000 color variations
Specific gravity:	0.8 approx
Fineness of Grind:	Average 5 microns
Product Viscosity:	Approx 150s FC4 @ 24degC High Humidity and Low temperatures will affect the product viscosity.
Finish (Dry Film):	Gloss
<u>Drying Time</u>	(Depending on Temperature & humidity)
To Touch:	Within 8 minutes
To Handle:	Within 30 minutes
To Recoat:	Within 60 minutes
Hard Dry:	Within 24 hours
Vehicle Type:	Modified Alkyd
Gloss (60 degree):	Average 75% (Med-high gloss)
Dry Film Thickness	25 to 35 microns / coat
Packaging size:	1 L / 5L / 20L /200L
Theoretical Spreading rate:	50 m2 per 5L, depending on substrate
Application:	Brush, roller, or spray gun.

Application Environment:

During Application
and curing process

Surface Temperature	Ambient Temperature	Relative Humidity
Minimum: 10 deg C	Minimum: 15 deg C	Minimum: 10 %
Or 2 deg C above Dew Point		
Maximum: 35 deg C	Maximum: 40 deg C	Maximum: 70 %

TECHNICAL DATA SHEET



QD Enamel

Dilution: If product needs to be thinned down COSOL QD Thinners should be used to ensure consistent Product Quality.

Cleaning: Clean all equipment with A - grade Lacquer Thinners, directly after use.

Uses:

- * Steel
- * Machinery
- * Tanks
- * Bridges
- * Equipment

Store in a cool dry space away from sparks, open flame or heat.

At least 12 months when stored as directed in undamaged and unopened containers

Health & Safety:

- * Highly Flammable
- * Keep away from sources of ignition
- * Keep away from children
- * Ensure adequate ventilation when using the product
- * Avoid breathing excessive vapors
- * When spraying, always wear proper respiratory equipment and protective clothing
- * Avoid contact with eyes. In case of contact with eyes, irrigate thoroughly with water and seek medical advice
- * Avoid contact with skin
- * Wash splashes from skin using a recognized skin cleaner
- * Do not disperse into drains
- * Contains no added lead

NIOEC SP-80-02 Specifications should be followed.

Disclaimer: We Endeavour to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. The Quality Control at COSOL Products ensures that each product that leave our production line is a an exceptional standard, however, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. Products are sold subject to our standard conditions of sale and each purchaser and end user should at all times ensure that he has consulted our latest instructions and safety information.



Cell: 072 935 9749
Office: 016 340 9564
Fax: 016 340 9564
Email: info@cosol.co.za
Website: www.cosol.co.za
Suite 21, Private Bag H 607, Heidelberg 1438

quality coatings and solvents