



HiChem Paint Technologies Pty Ltd.
73 Hallam South Road Hallam, Vic 3803
Phone (03) 9796 3400 Fax (03) 9796 4500
ACN 006-542-767



PRODUCT INFORMATION SHEET

20-9-06

QUICK DRYING SPRAY ENAMEL QD311

Description:

A general purpose, quick drying, alkyd spraying enamel exhibiting high gloss, excellent interior durability. Suitable for interior and short term exterior use. Moderate exterior durability, corrosion resistance and gloss retention.

Uses:

HiChem Quick Drying Spray Enamel QD311 is intended for use both for structural maintenance and new building construction projects, on a variety of general metal surfaces, as well as timber, brick, plaster, masonry, etc after application of a suitable primer or undercoat.

By the addition of *HiChem Enamel Hardener* superior gloss, film hardness, chemical resistance and durability can be obtained. The addition of *Enamel Hardener* is desirable under poor drying conditions to speed drying. By the addition of *Universal Flatting Base* lower gloss finishes can be achieved.

Quick Drying Spray Enamel QD311 is not intended for automotive respray, repair or touch up. For this purpose use *Motospray Acrylic Lacquer* or *Motospray Automotive Enamel*.

Surface Preparation:

Surfaces to be painted should be thoroughly prepared, cleaned and primed with a suitable primer.

Bare steel: Remove rust, old and scaling paintwork. Clean and degrease thoroughly with *Prepwash*. Use *HiChem Structural Primer 3240, 3250 or 3260* or *Super Etch Primer*. Use *Motospray Enamel Primer Surfacer* if sanding is required.

Non ferrous metals: Substrates such as aluminium, zinc-alum, copper and galvanised steel should first be abraded using a non-metallic abrasive pad. Clean with *Prepwash* wax and grease remover. Then apply one light even coat of *HiChem Super Etch Primer* to a dry film thickness of 6-12 micron.

Pre-painted surfaces: Can be applied directly to pre-painted surfaces in sound condition after flattening and cleaning with *Prepwash*.

Thinning:

Thin with 15-25% *HiChem Enamel Thinner E250*. In warmer conditions (over 25°C) or when painting larger areas, replace *E250* with *HiChem Enamel Thinner E250 Slow*.

When using *Enamel Hardener* the amount of thinner added may need to be reduced. *Enamel Hardener* is used at a ratio of 16 parts by volume *Quick Drying Spray Enamel QD311* to 1 part *Enamel Hardener* (which is 250 mls per 4 litre or approx. 60 mls per litre). Only mix enough paint and *Hardener* for the job at hand as mixed material has a short life before it gels.

Use of *Universal Flatting Base* (see Product Information Sheet) may require a reduction in the amount of thinners added.

Application:

After thinning, *Quick Drying Spray Enamel QD311* is applied as follows:

Apply one light even coat.

Apply 1-2 full coats with 5 minute air flash between coats depending on temperature.

Spray Gun setup	Fluid tip	Air Pressure
suction	1.8	310-420 kPa (45-60 psi)
gravity feed	1.5	310-420 kPa (45-60 psi)
Application viscosity :	15-17 seconds by Ford No. 4 Cup at 20°C.	

Cleanup:

Use *Enamel Thinner E250* or *Enamel Thinner E250 Slow*.

Drying Time :

At 20°C, film build 40 microns.

- dust free - 20 minutes.
- touch dry - 1 hour.
- hard dry - overnight.

Note : Excessively thick films of *Quick Drying Spray Enamel QD311* must be avoided or a permanently soft paint film may result.

Coverage:

Theoretical 15 m² per litre at 25 microns dry film thickness.

Volume Solids: 38%v/v

Colours :

A limited range of factory made colours are available ex stock. We will do special colour matches but conditions may apply. Contact our representative or our sales office for details.

Standard Packages :

20 litres, 4 litres

Factory Colours :

<u>Colour</u>	<u>Product Code 20litre</u>	<u>Product Code 4 litre</u>
White	QD311W20	QD311W4
Black	QD311B20	QD311B4

The information contained in this bulletin is presented in good faith based on thorough laboratory and field testing but without warranty. As we have no control over the conditions under which these products are used, it is recommended that all products be tested by the end user to ensure the suitability of the product for the particular application and conditions.