

PRODUCT DATA SHEET

Reviewed 01/02/2016



YOU CAN'T BUY A BETTER PAINT FOR LESS!™

3 in 1 Quick Drying Self-Priming Gloss Enamel

SECTION A:	DESCRIPTION A fast drying gloss enamel (touch dry in 30 minutes), suitable for application direct to properly cleaned mild steel. Two coats of Excelsior 3 in 1 are suitable for most applications and there is no primer or undercoat required. The product contains anti-corrosive pigments to provide improved corrosion protection compared to a conventional 3 coats system (i.e. one coat economical QD Red Oxide primer followed with two coats of normal QD Gloss enamel top-coat). The product has excellent adhesion to steel and improved UV resistance compared to normal QD enamels. Also available in a Matt Black and Matt White finish.
SECTION B:	PHYSICAL PROPERTIES Colour: Black and White (Gloss and Matt) and a further 36 standard colour card colours. Tinting: The product can be tinted to a wide variety of other colours (NCS, RAL etc.) using the Excelsior Industrial Colourant range. Appearance: Gloss (Matt white and Matt Black also available) Viscosity: 90 seconds Forc Cup No. 4 (at 23°C) S.G.: 1.00 - 1.20 (depending on the colour) Mass Solids: 55 - 65% Volume Solids: 45 - 55% Pack size: 1L, 5L, 20L, 200L Gloss: > 90% @ 60°
SECTION C:	APPLICATION PROPERTIES Method: Conventional spray or dipping Average DFT: 30 - 50 microns per coat Theoretical Spread Ratio: 6 - 8m ² /l per coat at an average DFT of 50 microns (this depends on application method and colour) Wet film thickness: 60 - 100 microns Number of coats: 2 - 3 as required (depends on substrate and colour) Drying time: Touch Dry 15 - 30mins, hard Dry 30mins to 90mins (at recommended WFT at 25°C) Over-coating: The product can be over-coated within 60mins of the first coat. The product must be recoated with a 12 hour window period of the first coat. If the product is over-coated once the window period has elapsed, the paint film can wrinkle. Thinning: The product can be thinned using Excelsior QD Enamel thinners for spray application. Lacquer thinners is not recommended! Typical thinner ratio starts at one part thinner to 5 parts paint (this depends on type of spray method and surface)
SECTION D:	PRECAUTION <ul style="list-style-type: none">Do not spray in temperatures below 10°C or over 40°C.Do not spray if the relative humidity exceeds 85%. Do not apply in damp or wet weather as the product can develop an opaque appearance (i.e. blushing)Flash Point below 23°C.
SECTION E:	STORAGE <ul style="list-style-type: none">Store away from direct sun, heat and extreme coldKeep stored below 23°C. where possibleRefer to product Material Safety Data Sheet M.S.D.S for more information
SECTION F:	SURFACE PREPARATION <ul style="list-style-type: none">All surfaces must be free from dirt, dust, grease, oil and other contaminantsMild Steel: for best results Shot blast steel to SA 2.5, clean to remove shot residue and dust and apply directly or degrease with Excelsior XL DEGREASER and rinse well to achieve a "water-break free" surface, lightly abraded the surface with 200



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- grit sandpaper and remove dust and sanding residue.
- Rusted mild steel: As above to remove all red rust. Apply Excelsior XL-RUST CONVERTOR to any residue rust remaining, allow to dry and apply
- New Galvanised Steel: Clean the galvanised iron using the Excelsior GI CLEANER to remove storage oil to achieve a "water-break free surface" and rinse well. Prime with Excelsior ONE PACK ETCH PRIMER.

SECTION G:

SAFETY PRECAUTIONS (AND ADDITIONAL NOTES)

- Ensure adequate ventilation when painting and wear the appropriate safety equipment (i.e. gloves, eye protection, and dust mask for spraying)
- Keep out of reach of children
- If accidental contact with skin, wash immediately with soap and water
- Eye contact, in the event of eye contact rinse well with copious amounts of water and contact a doctor immediately
- Ingestion: if the product is swallowed seek immediate medical attention and do not induce vomiting
- Flammable: do not smoke while painting, store in a cool dry place away from naked flame, gas, heat and any possible ignition sources (i.e. welding or grinding sparks)
- Refer to Material Safety Data Sheet for additional information

SECTION H:

NOTE

No guarantees are implied by the recommendations contained herein as the conditions of use, method of use and state of substrate are beyond the control of Mylaw Chemicals / Excelsior Paints. The data sheet is issued for information purposes only based on experience and laboratory testing. Please ensure the latest Product Data Sheet is used for guidance as it is subject to change without notification