

**CQD**  
**INTERIOR / EXTERIOR**

**PRODUCT DATA SHEET**

## **AALTO CORROLESS QD**

Guarantee is applicable on the use of a full Aalto system

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**TYPICAL APPLICATION:** Used on various metal substrates as a quick dry, oil based primer and rust inhibitor.

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**PRODUCT FEATURES:**

- + Rust stabiliser
- + Quick dry
- + Variety of topcoat tolerance
- + Single Pack

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**COLOUR:** Red/brown

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### **PRODUCT DESCRIPTION:**

Appearance when dry:	Low Sheen
Pack size:	1, 4 litre
Theoretical coverage:	10m <sup>2</sup> - 12m <sup>2</sup> / L
Minimum steel temperature:	3°C above dew point
Storage temperature:	Minimum 10°C Maximum 35°C
Shelf life:	24 months
Dry film thickness:	Typical 50 microns
Wet film thickness per coat:	Typical 100 microns
Percentage by weight:	66%
Volume solids:	33%
Pot life (@ 25°C):	Single pack

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### **APPLICATION:**

**Mixing:** Stir thoroughly before and during use.

**Initial surface preparation:** The surface must be clean, dry and free of all mill-scale, dust, dirt and grease. Loose flaking material must be removed and feathered back to a sound surface. New metal substrates should be thoroughly washed with a degreasing solution. Existing surfaces should be water blasted / chemical washed or washed down with a mild detergent solution using a bristle brush. Mould should be treated with a proprietary mould kill solution until completely removed and sterilised, then wash to remove all traces of chemical. Where corrosion (white or red rust) is present it should be removed using rust scrapers, chipping hammers, needle guns, wire brushing etc. (to SA1 or SA2 Swedish Surface Preparation Standards). Avoid unnecessary removal of galvanised coating. After removal of rust, wash thoroughly and spot prime with Corroless QD as soon as the surface is dry. If over-coating with acrylic spot prime Corroless QD with a further coat of Aalto Galvanised Iron Primer before applying top coats.

**Application note:** Corroless QD is best applied by brush to provide good surface wetting and coverage. Liberally coat bolts and fixings. Do not leave exposed for an extended period of time, overcoat as soon as possible.

Where there is danger of salt deposits in coastal areas the surface should be washed down with clean water and allowed to dry each day before work starts. Two primer coats should be applied in marine and severe environments.

To assist drying and to avoid solvent entrapment, always ensure good ventilation during and after application.

New steel, galvanised steel, pre-primed steel, wrought iron and zincalume:

Refer to initial surface preparation above. Pits, cracks and other surface defects should be removed to leave surface smooth. Welded areas need particular attention to remove all weld flux and weld splatter. Any damages to the galvanised or pre-primed coating from welding, handling etc. should be cleaned down to the base metal by grinding, wire brushing and sanding then spot-primed with the original primer or Corroless QD. Pre-primed steel may still require degreasing before repriming. Ensure surfaces are patched and cleaned before priming with a full coat of Corroless QD if an enamel topcoat is required. Otherwise if a water-based topcoat is required a full coat of Aalto Galvanised Iron Primer should be applied. Non galvanised surfaces should be primed with two coats of Corroless QD before applying two topcoats of enamel.

Existing or previously painted galvanised steel, pre-primed steel, wrought iron and zincalume:

Refer to initial surface preparation above. Surfaces should be prepared by sand-blasting, grinding and water blasting to remove loose material and leave surface clean. Clean confined areas by wire brushing and sanding then thoroughly wash down surfaces. Any defects in the protective zinc or alloy layer, metal substrate or in the existing paint surface should be spot primed with Corroless QD. Previously painted surfaces, in good condition, generally only require spot priming of bare patches before applying corresponding topcoats.

#### APPLICATION DETAILS:

Application temperature range:	5°C - 35°C
Methods / thinners:	Brush: No thinning required Airless Spray: No thinning required. Nozzle orifice 11 - 13 thou, fan angle 30°-50°, nozzle pressure 2400 psi. Air Spray: Max volume thinner 10% with No. 3 thinner. Nozzle pressure 2400 psi. Lambswool Roller: Max volume thinner 5% with No.3 thinner.
Cleaning solvent:	No. 3 thinner
Maximum relative humidity:	85%

#### DRYING CHARACTERISTICS:

Temperature:	10°C	25°C
Touch dry:	60 min	30 min
Handle dry:	1.5 hours	40 min
Full cure:	6 hours	4 hours
Over-coating:	When temperatures are above 20°C over coating with alkyd topcoats can commence after 45 minutes. When over coating with acrylic, polyurethane or lacquers ensure 6-8 hours before applying topcoats.	

#### HEALTH AND SAFETY:

##### CAUTION! FLAMMABLE

Contains petroleum solvents: keep away from heat and open flame

Special precautions:

- + Keep out of reach of children.
- + This material is not to be taken internally.
- + Avoid contact with eyes and prolonged contact with skin.
- + Avoid breathing vapour - use with adequate ventilation.
- + Ensure fresh air is available during application and drying.
- + Do not eat, drink or smoke whilst using.
- + Store in a cool well ventilated area indoors between 5°C - 20°C
- + Seal container after use.
- + Protect from freezing
- + Dispose of empty container carefully.
- + Do not dispose or paint in sewers or waterways.

Fire:

- + Use foam, carbon dioxide or dry chemical powder.

Spills:

- + Absorb with sand or earth. Collect and seal in properly labelled drums for disposal according to local waste management authority.

FIRST AID:

If swallowed:

Give water to dilute. Do not induce vomiting. Get medical advice.

Eye contact:

Flush with running water immediately for at least 15 minutes. Get medical attention.

Inhalation

Leave hazard area, maintain breathing and get medical attention. Remove with soap and water.

