



### AQUALOK WB 8125 Water Based Primer

AQUALOK WB 8125 is a water based, single pack primer with good durability and anti-corrosive properties when used to coat steel, iron and zinc.

#### Product Advantages

- Contains rust inhibitors to provide good corrosion resistance
- Easy to use – single pack, ready for use
- Water based, non-flammable, low odour
- May be applied by spray, brush, roller, vacuum coater or hot dipping.

#### Typical Applications

Structural steel, cast iron e.g. railway track fasteners, metal fabrication e.g. box trailers, caravans, safes.

#### Product Properties

Weathering:	Excellent for a single pack
Chemical Resistance:	Good but dependent upon Topcoat
Solvent Resistance:	Resists aliphatic hydrocarbons
Abrasion Resistance:	Good

#### Typical Properties

Colours:	Black, Red Oxide, Brown, other colours upon requested
Gloss:	Matt

**Coverage:** 8-10 m<sup>2</sup> per litre at 100-125 micron wet film build. This is dependent on the application equipment / gun set up and the article being coated.

**Thinning:** Thinning is not normally required, viscosity may be adjusted with water depending upon opacity and vertical hold requirements.

**Application Viscosity:** 15-20 seconds BS4 Flow Cup at 25°C.

**Wet Film Thickness (WFT):** 100-125 microns per coat.

#### Application Methods:

Dipping:	For best results, hot dip and fully immerse in purpose built dipping tank with recirculation unit.
Suction Gun:	Use 1.5 to 2mm (59-79 thou) orifice with 350-400kpa (50-55 psi).
Pressure Pot:	Use 1.5 to 2mm (59-79 thou) orifice with pressure pot air-cap. Gun pressure 350-400kpa (50-55 psi) and a pot pressure of 45kpa (6 psi) max.
Airless Spray:	Use 0.23 to 0.33mm (9-13 thou) orifice, 15cm fan (dependent on job) with regulated pump pressure of 350-400kpa (50-55 psi).
Air Mix Guns:	Settings similar to airless spray with the air-assisted regulator pressure at 70-90kpa (10-15psi).

Hot Spray: Temperature guide 35-40°C.  
Brush / Roller: Apply without thinning.

**Drying:** Touch Dry: 30 minutes  
Handle: 1-2 hours  
Recoat: 4 hours

**Application Methods:** Clean surface, remove all rough welds, sharp steel edges and weld splatter. Remove any oil, grease or other contamination by solvent wiping with mineral turps or similar. Rust or mill scale should be removed by hand or power tool cleaning or abrasive blast cleaning. Remove all dust by brushing or vacuuming.

AQUALOK WB 8125 should be applied in a purpose built dipping tank that is fitted with a constant recirculation unit to keep the coating thoroughly mixed during the dipping process. Allow excess coating to run into the tank or an area suitable to reclaim the excess coating. Dipping should be conducted in a well-ventilated area, not in direct sunlight. Cover the tank with a solid lid when not in use to reduce surface skinning.

**Recommended Topcoats:** Any high quality alkyd enamel topcoat designed for exterior exposure.

*(Always test an area to ensure the coating is compatible)*

**Application Equipment Clean Up:** Clean all equipment using water.

**Shelf Life:** 24 months

**Packaging:** 20 litre & 205 litre

### Health & Safety

Before handling, refer to the Material Safety Data Sheet for health and safety information. Ensure that all personnel using this product have read and understood this data sheet and the associated MSDS and packaging label before using this product.

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**Mirotone Pty Ltd Australia (Head Office)**  
ABN 40 000 041 136  
21 Marigold Street,  
Revesby NSW 2212 Australia  
P +61 2 9795 3700 F +61 2 9771 3601  
sales@mirotone.com.au

**Mirotone (NZ) Ltd New Zealand (Head Office)**  
32 Cryers Road,  
Auckland, 1730, New Zealand  
P +64 9 272 2730 F +64 9 272 2733  
information@mirotone.co.nz

**Mirotone (Thailand) Co., Ltd**  
83 Moo 4, Poochaosamingprai Rd,  
Samrong Klang, Prapadaeng,  
Samutprakam, 10130, Thailand  
P +66 2 754 4451 F +66 2 754 4450

[www.mirotone.com](http://www.mirotone.com)