

AQUALOK WB 8105 Water Based Primer / Topcoat

AQUALOK WB 8105 is an anti-corrosive, water based, two in one acrylic primer/topcoat with good durability and weathering properties. This easy to apply, low VOC coating can be applied over a wide variety of substrates offering a very low odour, single application coating system for structures that require painting in difficult environments.

Product Advantages

- Manufactured using highly durable pigments for the protection of steel scaffolding
- Excellent vertical hold up
- Water reducible, no need for solvents
- Designed for Dip & Spray application

Typical Applications: Scaffolding.

Product Properties

Vertical Hold Up:	Excellent
Weathering:	Good
Chemical Resistance:	Moderate
Solvent Resistance:	Minimal
Abrasion Resistance:	Fair
Drying:	Fast

Typical Properties

Colour: Any – minimum order required
Gloss: Semi-Gloss

Coverage: 10 m² per litre at 100 micron wet film build.

Thinning: Thin with water.

Application Viscosity: 20 seconds +/- 5 seconds through a Ford 4 viscosity cup.

Viscosity should be adjusted with water depending upon opacity and vertical hold requirements. Check viscosity regularly to maintain coating performance. Viscosity will vary depending upon the dip tank coating temperature.

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

Drying:

Touch Dry:	2 hours
Handle :	16 hours
Recoat:	16-24 hours

Force Dry:

Force Dry – 90 seconds @ 100°C

Coverage:

Spray application: 6 m² per litre at 150 micron wet film build. This is dependent on the application equipment / gun set up and the article being coated.

Dip application: No wastage, coverage depends on article being coated and metal temperature.

Surface Preparation:

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 8105 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.

Note: when the coating is first put into the tank, stir for at least 4 hours to ensure the paint is well mixed prior to dipping.

Damp and cold environments will lower the temperature of the steel which will extend the drying time and may cause poor coverage.

It is important to monitor the coating regularly to ensure optimum coating performance which is at a pH level of between 8.0 – 9.5. If the pH level drops below 7.0 permanent damage may occur.

If the pH range falls between 7.0 – 7.9 add 500ml of AQUALOK WB 8901 pH Adjuster to every 1000 litres. Add slowly using a medium stirring speed. After 3 minutes of stirring recheck the pH level. If the pH level is still below 8.0 add another 500ml to every 1000 litres and repeat the stirring process.

Application Equipment Clean Up: Clean all equipment with water following use.

For more effective cleaning e.g. when coating has started to dry, use MIROTEC WB 1390 Equipment Wash followed by a rinse with water.

Note: When changing from solvent based coatings to water based coatings, ensure application equipment and coating lines are first flushed with MIROSOL 1208 or acetone and then flush equipment with water. When changing from water based coatings to solvent based coatings flush first with water and then with MIROSOL 1208 or acetone.

Shelf Life: 24 months

Packaging: 205 litres

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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