



EcoSteel WB

Product Description

A water-based, eco-friendly coating designed for industrial and architectural metal surfaces. It offers excellent adhesion, corrosion resistance, and color versatility, making it suitable for both protective and decorative applications.

Product uses:

- Steel structures, machinery, and equipment
- Metal doors, fences, and railings
- Industrial storage tanks and pipelines
- Architectural metal surfaces (aluminum, galvanized steel, etc.)

Properties

- Water-based formulation – low VOC, environmentally friendly.
- Corrosion protection – durable barrier against rust and oxidation.
- Tintable to any color – wide spectrum for industrial and decorative use.
- Industrial-grade performance – suitable for machinery, structures, and metal fabrications.
- Easy application & cleanup – brush, roller, or spray.
- Odorless.
- UV resistance
- Very low maintenance/repair costs
- Environmentally friendly

TECHNICAL PROPERTIES

<i>Appearance/Color</i>	Glossy / RAL Color Card
<i>Density:</i>	~1.25 g/cm ³
<i>Volume solids %:</i>	37 %
<i>Viscosity:</i>	70–90 KU
<i>Theoretical spreading rate:</i>	7.4 m ² /ltr (50 micron DFT) – 5.92 m ² /kg
<i>VOC Content:</i>	< 50 g/L
<i>Adhesion (Cross-cut):</i>	ISO 2409 – Class 0–1
<i>Salt Spray Resistance:</i>	> 500 hours (ASTM B117)
<i>Recommended DFT:</i> <i>(Dry Film thickness)</i>	50-70 micron for one coat
<i>Surface dry:</i>	30–60 min approx. min (s) 23°C/73.4°F 50% R.H.
<i>Recoating Time:</i>	4 -6 hours (23°C and 50% R.H.)
<i>Full dry:</i>	24 hours (23°C and 50 % R.H.)
<i>Application temperature:</i>	+10 °C/50° F and +35 °C/ 95°F

Application Details

<i>Application method:</i>	Brush / Roll / Airless Spray/ air spray
<i>Thinner:</i>	Fresh water
<i>Thinner Amount:</i>	Brush (Do not Thin) – Roller (10 %) - airless Spray (5%)



Surface Preparation:

- Substrate must be clean, dry, and free from oil, grease, rust, and contaminants.
- Sandblasting or mechanical cleaning recommended for heavily corroded steel.
- Apply suitable water-based primer if required for enhanced performance.

PRECEDING COAT:

Aqua Top Metal Primer

Shelf life & Storage:

12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

Safety:

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notice:

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