



Product Data Sheet

ASMACO ZINC RICH PAINT

Cold Galvanizing Brush-able Zinc-Rich Anti-Corrosion Protective Coating

Description: ASMACO ZINC RICH PAINT is a high-performance, brush-applied cold galvanizing zinc-rich protective coating formulated to deliver long-term corrosion protection for ferrous metal surfaces. It contains a high loading of pure zinc particles that provide active cathodic protection by forming a sacrificial barrier against rust and corrosion, even in the event of coating damage. The product is suitable for protecting and repairing galvanized steel, structural steel, and a wide range of metal components including gates, railings, frames, poles, tanks, and industrial machinery. It offers strong adhesion, excellent durability, and reliable resistance to harsh environmental conditions, making it ideal for both new construction and maintenance applications across industrial, commercial, and marine sectors. The formulation is designed to comply with relevant industry requirements, including DIN EN ISO 1461 and ISO 3549 for zinc-rich protective coatings and galvanized steel protection standards.



KEY PERFORMANCE PROPERTIES

- Provides effective cathodic protection through a high zinc-rich formulation.
- Forms a durable sacrificial layer that prevents corrosion of steel substrates.
- Ensures strong adhesion to properly prepared ferrous metal surfaces.
- Suitable for repair and touch-up of galvanized coatings and welded areas.
- Offers long-term resistance against moisture, humidity, and atmospheric exposure.
- Dries to a tough, abrasion-resistant film suitable for industrial applications.
- Complies with relevant industry standards for zinc-rich coatings (e.g., DIN EN ISO 1461, ISO 3549).

AREAS OF APPLICATION

ASMACO ZINC RICH PAINT is designed for corrosion protection and maintenance of a wide range of metal structures and components in industrial and commercial environments, including:

- Protection and repair of structural steelwork in buildings and infrastructure.
- Coating of gates, railings, fences, and architectural metal elements.
- Maintenance and touch-up of galvanized steel surfaces and weld joints.
- Corrosion protection for poles, posts, towers, and support structures.

- Application on industrial machinery, equipment, and fabrication parts.
- Protection of tanks, pipes, and metal storage systems exposed to weathering.
- Suitable for marine, coastal, and high-humidity environments requiring enhanced corrosion resistance.

COVERAGE RATE

Coverage: 8–12 m²/L (depending on surface condition and application method)

METHOD OF APPLICATION

Surface Preparation

Surfaces must be clean, dry, and free from oil, grease, dust, rust, and loose particles. Mechanical preparation such as grinding or abrasive blasting is recommended for steel. Apply coating immediately after preparation to avoid oxidation. Ensure substrate temperature is at least 3°C above dew point.

Application.

Mix thoroughly until zinc pigments are fully uniform. Apply by brush, roller, or spray in an even coat. Continuous stirring is recommended during application. Avoid excessive film build-up or dry brushing.

Recommended Coating

- **Number of Coats:** 1–2 coats
- **Dry Film Thickness (DFT):** 30 – 80 µm per coat
- **Total DFT (if 2 coats):** 80 – 160 µm

Curing

Touch dry depends on temperature and humidity. Full curing occurs under normal atmospheric conditions. Avoid mechanical stress or water exposure until fully cured.

Cleaning

Clean tools immediately after use with suitable solvent or cleaner. Cured material can only be removed mechanically.

Application Safety

Use in well-ventilated areas. Avoid inhalation of vapors and contact with skin or eyes. Wear gloves, goggles, and protective clothing during application.

Special Instructions

Protect coated surfaces from moisture and contamination during initial curing. Ensure proper zinc dispersion by frequent mixing. Avoid application in condensation or wet conditions.

PACKAGING / SUPPLYING

ASMACO ZINC RICH PAINT is available in
750 ml, 2Tin / Carton, 2.5 Liter TIN & 5 Liter TIN



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CLEAN UP

Clean all the equipment immediately with **ANCHOR CLEANER 1**

HEALTH & SAFETY

ASMACO ZINC RICH PAINT is a solvent-based product, requiring utmost caution during handling. Classified as flammable, it demands avoidance of heat, sparks, and smoking during application. Ensure proper ventilation during use and store in a cool, dry place, away from sunlight, heat, and moisture. Keep it out of children's reach and refer to the MSDS for comprehensive information.

STORAGE & SHELF LIFE

ASMACO ZINC RICH PAINT store in cool place under cover, out of direct sunlight and protect from extreme temperatures. In tropical climate the product must be stored in $< 25^{\circ}\text{C}$. Shelf life is up to 12 months in unopened conditions if stored as per guidelines.

QUALITY & CARE

All products originating from **ANCHOR ALLIED FACTORY LLC** Sharjah, UAE. facility is manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, and ISO 14001.

TECHNICAL SPECIFICATIONS

PROPERTIES	TYPICAL VALUES
Colour	Galvanized / Metallic
Pigment	Zinc and Aluminium Pigments
Pigment Purity	Approx. Al 99.9% and Zn 99.9%
Binding Agent	Alkyd Resin
Percentage of Metal in DFT	58.5 %
Viscosity (ford cup b4) @ 25°	Ca. 70s
Texture	Slightly Smoother and Spreadable
Density	1.15
Spray Consistency	10 — 15% dilution
Application Temperature	+20°C to +35°C
Tack Free	12min — 15 min max
Hard dry	45 min max
Full Cure	240 mins
Min Layer Thickness (micron)	30 μm
Max Layer Thickness per layer	200 μm
Mandrel Bending Test DIN EN ISO 1519	Pass 2mm No hairline cracking
Temperature Resistance	200°C — 250°C

Properties listed are based on laboratory-controlled tests, all values given are subject to 5-10% tolerance.

CERTIFICATIONS



Regional Compliance Notice

Please note that regulatory requirements may vary from one region to another. As a result, product information and recommended applications may differ between countries. For accurate and up-to-date details on product specifications and approved uses, and for any technical guidance, please contact ANCHOR ALLIED FACTORY L.L.C. SHARJAH, UAE Technical Department.

Disclaimer

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