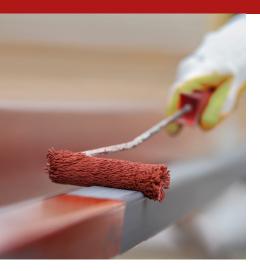


Syntech Zinco Metal

Single-component primer and topcoat for direct applications on metal



Single-component alkyd primer and topcoat in solvent vehicle with zinc phosphates for direct applications on metal.

CUSTOMS CODE:

COMPONENTS: Single-component

APPEARANCE: Liquid

AVAILABLE COLORS: RAL classic

PACKAGING AND DIMENSIONS: Can 1 kg - Can 5 kg - Can 25 kg

FEATURES AND BENEFITS

The main properties of Syntech Zinco Metal are:

- Quick drying
- Easy application in the workshop and on site
- Color stability over time
- Application by brush, roller, airless
- Good adhesion on suitably prepared metal
- Good chemical resistance

FIELDS OF APPLICATION

Syntech Zinco Metal is suitable for direct application on metal as a primer and top coat; as corrosion protection with barrier effect; suitable for protecting metal surfaces such as railings, handrails, fences, frames, agricultural machinery, light or heavy carpentry; alternative to protection systems that use multiple layers of paint.

ALLOWED SUPPORTS

Metal surfaces - Steel



PREPARATION OF SUPPORTS

Steel and Cast Iron

It is necessary to remove solder residues and grind the joints. The surfaces to be coated must be free of dirt, oil, grease and impurities; Salts and other contaminants can be effectively removed by high-pressure washing with fresh water prior to blasting. Sandblast to cleanliness level Sa $2\frac{1}{2}$ according to ISO 8501-1. Average surface roughness degree RZ \geq 50 μ m. After sandblasting, carefully clean the surface, removing dust and abrasion residues.

Repair of small areas

It is necessary to remove solder residues and grind the ground joints. The surfaces to be coated must be free of dirt, oil, grease and impurities, salts and other contaminants can be effectively removed by high pressure washing with fresh water. Thoroughly clean the area to be retouched with the aid of mechanical tools up to the St3 cleanliness level according to ISO 8501-1. The area adjacent to the area to be repaired must be sanded to ensure the best possible condition possible adhesion of the new coating.

Pre-existing paints

Manual or mechanical preparation (St2-St3) or sandblasting until the complete removal of old paints and oxides not perfectly anchored to the support. Clean the surface carefully, removing dust and abrasion residues.

Galvanized stee

Washing with biodegradable detergents according to SSPC-SP1 to remove dirt, oil and grease. Roughening sandblasting with non-ferrous abrasive, average surface roughness RZ \geq 10 µm.

MODE OF USE

The substrate must have a temperature of at least $+3^{\circ}$ C above the roughness point to reduce the risk of condensation or bleaching of the finish. Mix with a mechanical stirrer until a homogeneous consistency is obtained. Avoid excessive air trapping.

Dilution:

Brush and roller: 0-5% with NITRO thinner Electrostatic: 15-20% with NITRO thinner Airless: 5-10% with NITRO thinner Air mixture: 10-15% with NITRO thinner

Application

Method	Pressure (bar)	Nozzle (mm/p)	Fan (degrees)
Brush and roller	n/a.	n/a.	n/a.
Eltrostatic	130	0.15	40°
Without air	130	0.15	30°
Airmix	90	0.15	40°

Air drying

10°	20°	30°
20-30 minutes	15-20 minutes	10-15 minutes
80-90 minutes	50-60 minutes	30-40 minutes
24-28 hours	16-18 hours	10-12 hours
48 hours	36 hours	24 hours
14 days	10 days	7 days
	20-30 minutes 80-90 minutes 24-28 hours 48 hours	20-30 minutes 15-20 minutes 80-90 minutes 50-60 minutes 24-28 hours 16-18 hours 36 hours

Waiting time on hands

	10°C	20°C	30°C
Minimum	8 hours	7 hours	6 hours
Maximum	24 hours	22 hours	20 hours

APPLICATION METHODS

Low pressure airless nebulizer - Brush - Paint roller - Sprayer

TOOL CLEANING

Nitro thinner



KEY FEATURES



Density: $1.30 \pm 0.02 \text{ kg/l}$



Solvent-based product



To be applied in two coats



Use wearing protective gloves



Shelf-life: 12 months



Temperature of use: +5 / +30 °C



Use wearing protective glasses

TECHNICAL SPECIFICATIONS

EN ISO 2409

Adhesion to substrate **Level O**

Touch hardening at 20°C 50-60 min

Time before second coat at 20°C 7 - 22 h

Maximum relative humidity 80 %

DIN 8

Viscosity 30 ± 2 s

Working temperature -20 / +70 °C

Dust-free time at 20°C 15 - 20 min

Complete hardening at 20°C 10 day

EN ISO 9227 Salt spray **200 h**

Minimum relative umidity 35 %

Dry residue 45 %

< 500 g/l

CONSUMPTION

Approximately 0.20 kg of Syntech Zinco Metal for each square meter of surface to be covered for each coat. Apply in two coats.

STORAGE AND CONSERVATION

Protect from freezing. Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Protect from humidity. Store the product at a temperature between +5°C and +35°C.

WARNINGS AND PRECAUTIONS

The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge. Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage. Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: www.azichem.com. The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: www.azichem.com.

It is forbidden to dispose of the product and/or packaging in the environment.

