



Galvax Zinc-rich cold galvanizing coating

Technical Data

FEATURES

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| <ul style="list-style-type: none"> • Maximum content in dry film • Easy brush or spray application • Simple handling-single package epoxy system • No pot life limitation • Easy mixing-no hard settling of pigment | <ul style="list-style-type: none"> • Excellent wetting and penetration properties • Flexible films with excellent adhesion • Air dries quickly-set to touch in one hour • Up to 5 mils dry film thickness per coat • Can be applied over a wider range of temperatures and relative humidity's than two-component epoxies |
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PHYSICAL CHARACTERISTICS

Color...	Metallic Gray
Finish...	Flat
Operating Temperature Range...	-40°F – 180°F
Surface temp. during application...	50 °F minimum
Weight per gallon...	24 lbs.
% solids by volume...	50
Coverage per gallon (theoretical*)...	800 sq. ft. / mil
Operating temperature range...	-40°F to +180°F (dry)
Surface temperature at time of application...	50°F minimum
Dry film thickness per coat...	2.5-3 mils
Wet film thickness per coat...	5-6 mils
Flash Point (Pensky-Martens)...	101°F minimum
Drying time at 70°F...	Set to touch 1 hour Recoat time 12 hours
Shelf Life...	1 year
Salt fog exposure (5% @ 100 °F)...	500 hours minimum
Ultraviolet light...	Unaffected
Relative humidity res. (100% @ 100 °F)...	500 hours minimum
Water immersion (@75 °F)...	500 hours minimum
Weather resistance...	Excellent – no loss of protection after prolonged exposure
Combustibility...	Flammable during application. Dried film not combustible.
Safety equipment required...	See MSDS. Take precautions exercised for any flammable paint.

**Note: actual coverage rate will vary depending upon material losses during mixing and application, and upon type and condition of surface to be coated. Allowance must be made for losses when estimating material requirements.*

Galvax zinc-rich coating protects metal surfaces with a film of sacrificial zinc in a manner similar to hot dip galvanizing. It is a zinc-rich coating based on an epoxy-ester resin.

The dried film contains 93% zinc by weight. Galvax protects steel surfaces subjected to a wide variety of corrosive influences, and is particularly useful for recoating or spot-priming weathered or damaged galvanized surfaces. It has excellent recoating properties.

USES:

- Electrical transmission towers and related structures
- Structural steel: bridges, buildings, offshore rigs
- Chemical process piping and equipment
- Pulp and paper equipment
- Oil and gas production, processing and distribution equipment

GALVAX: DIRECTIONS

Surface Preparation

Steel: For best results, surfaces should be free from oil, grease, dirt, mill scale, rust, corrosion products, oxides, paint and foreign matter. Abrasive blast surface to commercial grade per Steel Structures Painting Council

Specification SSPC-SP6, "Commercial Blast Cleaning," or per NACE specification No. 3. If abrasive blasting can not be permitted, remove loose mill scale, loose rust, and loose paint per Specification SSPC-SP3, "Power Tool Cleaning."

New Galvanized Surfaces: remove all oil, grease and flux by solvent cleaning per Specification SSPC-SP1, "Solvent Cleaning."

Weathered Galvanized Surfaces: Remove all dirt, oil and grease by solvent cleaning. Remove rust or foreign deposits by wire brushing per Specification SSPC-SP2, "Hand Tool Cleaning", or power tool cleaning per Specification SSPC-SP3, "Power Tool Cleaning."

Mixing:

Stir thoroughly until the zinc dust content is completely dispersed.

Application Guidelines:

Galvax may be applied by brush, spray, or roller. Airless

spray is not recommended because of possible tip clogging. Thinning is not normally required.

Steel: Apply one coat to 2.5-3 mils dry film thickness.

New Galvanized Surfaces: Apply one coat to 2.5-3 mils dry film thickness.

Rusted Galvanized Surfaces: Apply a second coat to 2.5-3 mils dry film thickness, total system dry film thickness of 5- 6 mils.

Allow 12 hours dry time between coats.

Drying Time:

At room temperature, Galvax sets to touch in one hour and may be recoated after 12 hours.

Application Equipment

Brush: Apply after thorough mixing. If thinning is required, use up to one pint, maximum of Alvin **Lab-solvent** per gallon. Mix thoroughly after thinner addition.

Roller: Apply after thorough mixing. Use rollers with short nap. Cross roll for uniform coverage. If thinning is required use up to one pint, maximum of Alvin **Lab-solvent** per gallon.

Conventional Spray Equipment: Apply after thorough mixing. If thinning is required use up to one pint maximum per gallon of Alvin **Lab-solvent**.

Suggestions:

Spray Gun DeVilbiss P-MBC or JGA	Fluid hose* 3/8" I.D.
Air hose 5/16" I.D.	Air cap 704
Fluid nozzle FF(.055")	Pot pressure 10-15 lbs.
Atomizing pressure 45-50 lbs.	Needle adjustment Full open
Work distance 8-10"	

*Smaller diameter hoses, or hose lengths greater than 25 feet, may require increased pressure.

Storage:

Store in a cool, dry place, preferably below 80°F

Clean up:

Clean equipment with Alvin **Lab-solvent**.

Precautionary Information

Keep away from heat, sparks, and open flame. Use only with adequate ventilation. Avoid contact with eyes and skin. Avoid prolonged breathing of vapor or spray mist.

FIRST AID: In case of contact with skin, flush with plenty of water. For eyes, immediately flush with plenty of water for 15 minutes and get medical attention. If exposed to high concentration of vapor, remove to fresh air. If swallowed, CALL A PHYSICIAN IMMEDIATELY. DO NOT induce vomiting. In confined spaces, observe safety precautions and follow procedures described in OSHA regulations. Provide adequate forced air ventilation. Require workmen to wear NIOSH-approved air line respirator, and non-sparking footwear. Use only non-sparking tools and equipment. Use only explosion-proof lights and electrical equipment. Be certain all equipment is grounded. Use protective clothing and skin cream. For further information on safety precautions, see appropriate Material Safety Data Sheet (MSDS).

Not recommended for use in severe service without topcoating.

FOR INDUSTRIAL USE ONLY

Carefully review MSDS and product label prior to use.

Available in quart and gallon containers. (GALVAX is also available in aerosol containers, pictured on pg 1).

Warranty

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