

AEROCOAT® Zinc-Alu Galv

INTERIOR & EXTERIOR

SOLVENT BASED

Description:

An organic bound zinc & aluminium barrier coating containing 60% zinc / aluminium in the dry film.

Intended Uses:

AEROCOAT® Zinc-Alu Galv is a high-performance primer/coating that focuses on delivering an effective level of zinc within the applied coating to provide reliable rust protection, and a realistic galvanized appearance.

AEROCOAT® Zinc-Alu Galv is designed to be applied to clean steel and hot dip galvanized surfaces to form an adherent anti-corrosive coating, and is suitable for use on gates, trailers, farm implements and for the repair of galvanized surfaces. It can be used as a zinc rich protective primer/coating in corrosive environments where excellent weathering protection & barrier protection is required.

Features & Benefits:

- UV & weather resistant.
- Galvanized look & finish.
- Can be over-coated by a range of topcoats. Consult with Specialized Coating Systems for details.
- Adheres well to abraded steel and galvanizing.
- Can be used as touch-up primer for inorganic primers.
- Prevents the substrate from rust creep at areas of damage.
- Contains zinc & aluminium flake pigments.

Certifications:

Consult a Specialized Coating Systems technical representative for details.

Technical Data:

Product Physical Form	Aerosol
Binder Type	Modified acrylic
Colour	Medium grey metallic
Appearance	Smooth
Recommended DFT	40 – 50µm per coat
Number of Coats	2 – 3
Density	1.04 Kg/ Litre
Method of Application	Aerosol spray
Pack Size	400 ml (12 x cans in a carton)
Storage	Store out of direct sunlight in dry conditions between 15°C and 25°C. Store can with nozzle in dry conditions out of direct sunlight away from sources of heat or ignition.
Shelf Life	2 – 3 years when stored as recommended in original un-opened containers
Temperature Resistance	Dry continuous – 65°C

AEROSOLS: AEROCOAT®

Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product

Important Information:

- This product must be applied direct to metal and hot dip galvanized substrates.
- Never use primers as they will compromise the performance of AEROCOAT® Zinc-Alu Galv.
- Overcoating information is given for guidance only and is subject to local climate and environmental conditions. Consult a Specialized Coating Systems representative for specific recommendations.
- Technical and application data herein is for the purpose of establishing a general guideline of the coating application procedures.
- Test performance results were obtained in a controlled laboratory environment and Specialized Coating Systems makes no claim that the exhibited published test results, or any other tests, accurately represent results found in all field environments. As application, environmental and design factors can vary, due care should be exercised in the selection and verification of the performance and use of the coating.

Surface Preparation:

The performance of this product will depend upon the degree of surface preparation. The surface to be coated must be cleaned and free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with ISO 8504:2000 (General Principles)

Accumulated dirt and soluble salts must be removed. Dry bristle brushing will normally be adequate for accumulated dirt. Soluble salts should be removed by freshwater rinsing. Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning.

Abrasive Blast Cleaning

For atmospheric exposure best performance will be achieved when AEROCOAT® Zinc-Alu Galv is applied to surfaces prepared to Sa2½ (ISO 8501:2007 or SSPC-SP10; a minimum of Sa2½ (ISO 8501:2007) or SSPC-SP6 must be achieved.

Surface defects revealed by the blast cleaning process should be ground, filled, or treated in the appropriate manner.

A blast profile of 30 – 60 microns is recommended

Hand or Power Tool Preparation

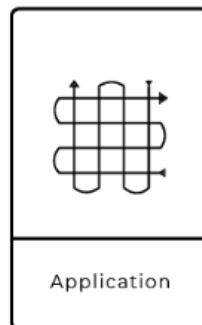
Hand or power tool clean to a minimum of St2 (ISO 8501-1:2007) or SSPC-SP2.

Note, all scale must be removed and areas which cannot be prepared adequately by chipping or needle gun should be blasted to a minimum standard of Sa2 (ISO 8501-1:2007) or SSPC-SP6. Typically, this would apply to C or D grade rusting in this standard.

Mechanical Preparation – Galvanized Steel Repair

Surfaces must be abraded by a minimum radius of 25mm around the defect using 180# abrasive water paper (or finer) and water as a lubricant, the defect should be exposed to bare metal, but the size should be kept as small as possible. Immediately after abrasion wipe the surface clean and apply the premixed repair material within the abraded area. Do not overlap the “patch” onto un-abraded galvanizing

Application:



Application Environment			
	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	5°C*	5°C	No lower limit
Maximum	45°C	40°C	85%

* or 3°C above dew point

Drying & Overcoating Information	
Touch Dry	10 min @ 25°C
Overcoating Time	1 hour @ 25°C
Hard Dry	24 hours @ 25°C
Full Cure	24 hours @ 25°C
Extra Information	Without abrasion, can be over coated with AEROCOAT® Zinc-Alu Galv. 24 Hours should be allowed for other topcoats. Light abrasion using sandpaper is required after 24 hours.

Systems:

Can be applied direct to steel & hot dip galvanized steel. Consult with Specialized Coating System for application specific recommendations.

Safety Information:

- Refer to product SDS for health & safety prior to using products.
- Always wear safety clothing / protection. Respirators, eye protection and skin protection.
- Apply in well-ventilated areas.