

AEROCOAT® Aluminium Flake

INTERIOR & EXTERIOR

SOLVENT BASED

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Description:

An organic bound aluminium flake protective barrier coating that delivers a UV & weather resistant bright, metallic aluminium finish.

Intended Uses:

AEROCOAT® Aluminium Flake is suitable for direct application to new or repaired galvanized surfaces, for additional protection and to produce a bright new galvanized look & finish. It will match bright new galvanizing where it has been repaired by zinc rich coatings (ZINCFIX® 90, ZINCFIX® Original & ZINCFIX® ZincFlake).

This product can also be used for a wide variety of other applications including finishing grills, exhausts, machinery & ducting.

AEROCOAT® Aluminium Flake has a high concentration of aluminium for a shiny & bright finish.

Features & Benefits:

- UV & weather resistant.
- The shiny/bright metallic colour of AEROCOAT® Aluminium Flake will blend in with newly galvanized steel.
- Contains aluminium flake barrier pigments for excellent barrier protection.
- Adheres well to primed steel and galvanizing.

Technical Data:

Product Physical Form	Aerosol
Binder Type	Modified acrylic
Colour	Shiny/bright aluminium metallic
Appearance	Smooth
Density (approx.)	0.93 Kg/ Litre
Typical Film Thickness	50µm DFT (In two coats)
Theoretical Coverage	Approximately 1 m ² / can @ 50µm DFT
Method of Application	Aerosol spray
Temperature Resistance	Dry continuous – 65°C
Number of Coats	2 – 3 by aerosol to achieve DFT
Pack Size	400ml (12 x cans per 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

Important Information:

- This product must be applied direct to a primer or hot dip galvanized steel. It should not be applied to bare metal.
- 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.

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

- 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.

Drying Information:

	0°C	5°C	10°C	25°C	30°C	40°C
Touch Dry	-	-	-	10 min	-	-
Hard Dry	-	-	-	2 hrs	-	-
Full Cure	-	-	-	24 hrs	-	-
Overcoating Data – See Limitations						
Substrate Temp.	0°C	5°C	10°C	25°C	30°C	40°C
Minimum	-	-	-	1 hr*	-	-
Maximum	-	-	-	24 hrs	-	-

* Without abrasion, can be over coated with AEROCOAT® Aluminium Flake. 24 Hours should be allowed for other topcoats. Light abrasion using sandpaper is required after 24 hours.

Certifications:

Consult a Specialized Coating Systems technical representative for details.

Systems & Compatibility:

Can be applied direct to hot dip galvanized steel.

Consult a Specialized Coating Systems technical representative for coating systems solutions.

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.

Steel Surfaces

Degrease surfaces with **Hydrosolve Degreaser** followed by a freshwater rinse. This product is applied direct to galvanized surfaces or to galvanized surfaces which have been repaired i.e. using **ZINCFIX® 90**, **ZINCFIX® Original** or **ZINCFIX® ZincFlake**.

If the primed surface has become dirty, washing with **Hydrosolve Degreaser** is required, followed by a freshwater rinse, and drying.

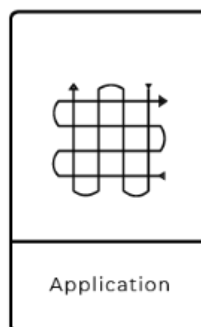
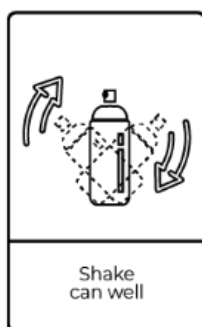
Mechanical Preparation – Repair of Blemishes on Galvanizing

Surfaces must be abraded for a minimum radius of 25mm around the defect using 220# abrasive water paper (or finer) and using water as a lubricant; the defect should NOT be exposed to bare metal and the size should be kept as small as possible. Immediately after abrasion, wipe the surface clean, dry and apply the AEROCOAT® Aluminium Flake onto the cleaned area.

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Application:



Environment:

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

* Or 3°C above dew point

Systems:

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.