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## PRODUCT DESCRIPTION

A one pack stainless steel flake pigmented aerosol coating

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## INTENDED USES

AeroCoat Stainless Steel coating is resistant to corrosion conditions due to the high performance AISI 316L Alloy Flake pigments. AeroCoat SS can be used in highly corrosive environments and maintain bright lustre after years of exposure. AeroCoat SS resists deterioration from staining, tarnishing, oxidation or chemical attack.

AeroCoat SS is forms a barrier which reflects sunlight away from the paint film and as a result, UV degradation is greatly reduced and the film integrity is maintained. Weathering can improve the colour and metallic brightness of the coating. AeroCoat SS will resist the accumulation of dirt due to smoothness and hardness.

AeroCoat SS acts as an effective moisture barrier preventing swelling and deterioration of the protective film.

AeroCoat SS is hard, durable and abrasion resistant. The exceptional resistance permits its use in industrial flooring applications and other areas where mechanical abrasion is a maintenance problem.

AeroCoat SS contains Iron, Nickel and Chromium, which are inert to chemical attack. When applied correctly the pigmentation of AeroCoat SS is resistant to acids, alkalis and chemicals.

Suitable for technical applications e.g. Pipes, steel pipe structures, automotive/trailer parts, bicycles and motorcycles, automobile rims, wrought iron as well as for repairing stainless steel and embellishing decorative objects and DIY.

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## CHARACTERISTICS

- Easy to use one component product
  - Excellent Flexibility
  - Metallic Satin Appearance
  - High temperature resistance of 150°C
  - Adheres well to abraded steel
  - Attractive surface
  - UV Resistance
  - Available in aerosols
  - Excellent corrosion protection
  - Low Porosity and permeability
  - Quick Drying
  - Offers high maintenance savings
  - Hydrophobic, Weather resistant and Spot Weldable
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## PRODUCT INFORMATION

<b>Colour</b>	<b>Steel Grey Satin</b>
<b>Finish</b>	Smooth
<b>Density</b>	1.2 kg/litre
<b>Typical Film Thickness</b>	50 microns dry
<b>Theoretical Coverage</b>	<ul style="list-style-type: none"> <li>1.5-2 m<sup>2</sup>/ Aerosol at 50 microns dft, allow loss factors</li> </ul>
<b>Method of Application</b>	Aerosol
<b>Flash Point</b>	-
<b>Temperature Resistance</b>	Dry continuous – 150°C
<b>Number of Coats</b>	1-2 coats by aerosol to achieve DFT

<b>Drying Information</b>	-5°C	0°C	10°C	25°C	30°C	40°C
Touch Dry	-	-	-	20 min.	-	-
Hard Dry	-	-	-	4 hrs.	-	-
Full Cure				24 hrs.		
<b>Overcoating Data – See Limitations</b>						
Substrate Temp.	-5°C	0°C	10°C	25°C	30°C	40°C
Minimum	-	-	-	4 hrs.*	-	-
Maximum	-	-	-	24 hrs.	-	-

### Note

\*Without Abrasion, can be over coated with AeroCoat SS. 24 Hours should be allowed for other topcoats. Light abrasion using sandpaper is required after 24 hours

## CERTIFICATIONS

Consult Speccoats™ Technical Representative for details

## SYSTEMS AND COMPATIBILITY

Can be applied direct to Steel.

Consult Speccoats™ Technical Representative for coating system solutions.

Aerosols

### **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 surface 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 fresh water 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 SS 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 40-75 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.

## APPLICATION

### Mixing

- Shake well. Speccoats Aero products contain high quality material with a high pigment load for high coverage. Ensure that the can is shaken well as per the below instructions.
- Aerosols are supplied with a lid, to start using AeroCoat spray can it is necessary to remove the lid first.
- Turn the can upside down and strike the bottom of the can against the palm of your hand. Repeat this several times to loosen the ball\* from the pigments in the can.
- Once the ball is loose, keep the can right way up (the sediment will be at the bottom) and shake the can vigorously.
- Rotate the can in small circles to stir the pigments with the ball and continue shaking for at least 2 minutes
- Make sure to always do the first spray on a test surface first as the top of the valve system may hold more solvent than pigment on the first spray. This is normal.

\*The following products do not contain balls, AeroClean 2000 Degreaser, White Board Cleaner, Graffiti Remover, Paint Remover and Silicone Remover

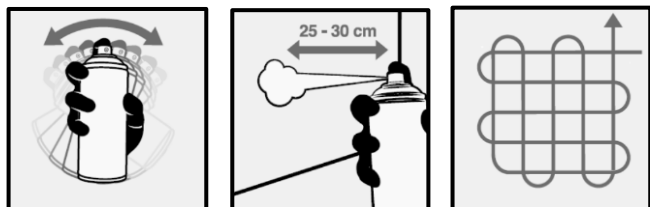
### Aerosol

Move the can slowly and evenly back and forth changing direction only after the spray has moved past the object. This will help control the amount of paint being sprayed and will avoid finish defects

Apply additional coats if desired. Additional coats should be applied before the first coat is completely dry, but within 1-2 minutes of the prior coating being applied.

For more than 4 coats 24 hours should be allowed before coating to avoid the risk of solvent entrapment and subsequently paint lifting / blistering.

After spraying and for storage purposes, invert can and spray to clean the residue out of the nozzle.



### 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 the dew point

## Aerosols

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## LIMITATIONS

- Overcoating information is given for guidance only and is subject to local climate and environmental conditions. Consult a Speccoats™ 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 Speccoats™ 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

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## UNIT SIZE

Aerosol      400 ml      12 per carton

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## STORAGE

**Shelf Life**      12 months at 25°C – from date of manufacture  
  
Subject to inspection thereafter. Store can with nozzle on in dry conditions out of direct sunlight away from source of heat or ignition. Store at temperature between 5 and 35°C

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## IMPORTANT NOTE

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

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## PRECAUTIONS

For complete safety and handling information please refer to the appropriate **Safety Data Sheets** prior to using this product.

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