

AEROPRIME® Epoxy Primer

A polyvinyl butyral epoxy primer aerosol spray

Description:

A single component, quick drying, polyvinyl butyral epoxy primer aerosol spray.

Intended Uses:

AEROPRIME® Epoxy Primer is designed for application to all types of steel surfaces in mild industrial and commercial environments exposed to inland environmental conditions. It is ideal for use on vehicle chassis & underbody components and other steel substrates. It is ideal for areas exposed to high temperatures such as fireplaces, braais or as a corrosion protection primer for high temperature applications.

This primer is characterized by its fast turn-around time, corrosion protection properties, easy application, and adhesion to hand cleaned steel.

AEROPRIME® Epoxy Primer offers excellent adhesion to mild steel, galvanized steel, and aluminium alloys.

Features & Benefits:

- Easy to use one component product in an aerosol.
- Good anti-corrosive properties.
- Quick drying with high coverage.
- Contains epoxy for corrosion protection and reinforcement.
- Weldable – weld through primer, flexible.
- Resistant to oil spills and splashes.
- Over-coatable by a range of topcoats.
- High temperature resistance.

Technical Data:

Colour	RAL 7035 Light Grey, Red Oxide
Finish	Smooth semi matt
Typical Film Thickness	15 – 20µm DFT
Method of Application	Aerosol spray
Temperature Resistance	Dry continuous – 250°C Intermittent – 300°C
Number of Coats	2 – 3 coats by aerosol to achieve DFT

Drying Information:

	0°C	5°C	10°C	25°C	30°C	40°C
Touch Dry	-	-	-	10 min	-	-
Hard Dry	-	-	-	4 hrs	-	-
Overcoating Data – See Limitations						
Substrate Temp.	0°C	5°C	10°C	25°C	30°C	40°C
Minimum	-	-	-	30 min*	-	-
Maximum	Extended*					

* See Specialized Coating Systems Definitions and Abbreviations.

* Without abrasion, can be over coated with AEROPRIME Epoxy Primer. 4 Hours should be allowed for other topcoats. Light abrasion using sandpaper is required after 24 hours.

AEROSOLS: AEROPRIME®

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

Certifications:

Consult a Specialized Coating Systems technical representative for details.

Systems & Compatibility:

Can be applied direct to steel, aluminium & galvanized steel.

Consult a Specialize 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.

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 and Mechanical Preparation – Steel – Optional Method

All surfaces to be coated must be dry, clean, and free from contamination. This product should be applied to surfaces prepared by abrasive blast cleaning to SA 2½ in accordance with International Standard ISO 8501:2007 and SSPC-SP10. A blast profile of 50 – 75 microns is recommended or alternatively mechanically abrade the surface using grinding or flapper discs to achieve a similar profile.

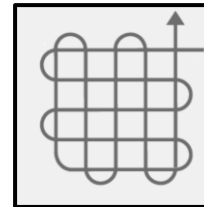
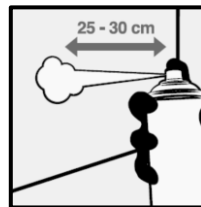
Application:

Mixing	Shake well. Specialized Coating Systems AEROPRIME 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 AEROPRIME Epoxy Primer, 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.
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.

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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 dew point

Limitations:

- 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.

Pack Size:

400 ml aerosol (12 per carton)

Storage:

- Shelf Life: 12 months at 25°C from date of manufacture. Subject to inspection thereafter.
- Store in dry conditions out of direct sunlight, away from sources of heat or ignition.
- Store at temperatures between 5°C and 35°C.

Precautions:

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