Protective & Marine Coatings
PRODUCT DATA SHEET

MACROPOXY® 646 AEROSOL

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PRODUCT DESCRIPTION

MACROPOXY 646 AEROSOL is a two component fast drying, polyamide epoxy that has been packaged in a single aerosol to protect steel in an industrial environment. The packaging makes it the ideal product for use in maintenance situations due its ease of application in a range of environments.

INTENDED USES

Recommended for small repairs in refineries, offshore platforms, chemical plants, tank externals, power plants and bridge and highways. It can be applied to manually prepared surfaces providing protection to range of structures and assets.

PRODUCT DATA

Finish: Semi-Gloss

Colour: Mid-Grey, Green, Yellow and Magnolia

Volume Solids: 53%

Weight Solids: 71%

VOC: 390.25 g/l

Typical Thickness:

Recommended Spreading Rate per coat:

	Minimum	Maximum
Dry mils (microns)	**3.0** (75)	**4.0** (100)

Theoretical coverage per can is 5.0 sq ft (0.46 m^2) @ 3 mils / 75 microns dft.

Shelf Life: 12 months minimum at 77°F (25°C). Subject to inspection thereafter. Store in dry, shaded conditions away from sources of heat or ignition.

Packaging: 6 aerosols per box. Each aerosol contains 10.9 fl. oz. (322 mL) of product.

Average Drying Times @ 7.0 mils (175 microns) wet:

	35°F (2°C) *50% RH*	77°F (25°C) *50% RH*	100°F (38°C) *50% RH*
Touch:	5 hours	2 hours	1.5 hours
Handle:	48 hours	8 hours	4.5 hours
Recoat (minimum):	48 hours	8 hours	4.5 hours
Pot Life:	10 hours	4 hours	2 hours

Drying time is temperature, humidity, and film thickness dependent.

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Minimum recommended surface preparation:

Iron & Steel: Atmospheric: SSPC-SP2/3 / ISO8501-1:2007 St 2/St 3

MACROPOXY® 646 AEROSOL

APPLICATION

Ensure the correct PPE is worn before the following process is started:

Step 1 – Shake the aerosol until agitator ball is free & place on a flat surface

Step 2 – Remove cap and insert the metal ring provided

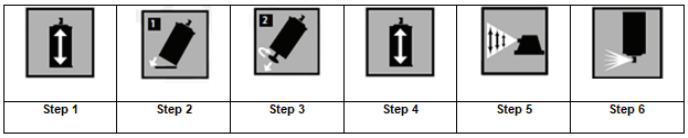
Step 3 – Pull fully out and twist 360º to release the activator

Step 4 – Shake the aerosol can for at least two minutes after agitator ball is free

Step 5 – Apply in cross coats keeping the aerosol can 250mm from the surface

Step 6 – After use turn the aerosol can upside down to empty valve

Spray can should be held vertical to the surface. Press down on the tip around 10" (can vary depending on conditions) and maintain an even distance from the surface throughout the application.



APPLICATION CONDITIONS

Temperature (air, surface, & material):
40°F (4.5°C) minimum, 120°F (49°C) maximum
At least 5°F (2.8°C) above dew point

Relative humidity: 85% maximum

ADDITIONAL NOTES

This product is intended for use only by professional applicators in industrial situations utilising the advice given on this guidance sheet, the material safety data sheet of the product and the information on the aerosol container.

All work involving the application and use of this aerosol based product should be performed in compliance with all relevant national or corporate Health & Safety & Environmental standards and regulations.

WARRANTY

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HEALTH AND SAFETY

Refer to the SDS sheet before use.
Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

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