

Zerust[®] AxxaCoat[™] 90 Coating

Zerust[®]/Excor[®] AxxaCoat[™] 90 is a corrosion preventative coating ideal for the protection of metal parts and assemblies. Use for long-term outdoor protection and in challenging overseas shipping applications where a durable yet removable coating is needed.

AxxaCoat[™] 90 is a durable corrosion protection coating that can withstand minor nicks and abrasions. The coating has limited self-healing above temperatures of 100°F (38°C). When dry, AxxaCoat[™] 90 forms a firm film, and with its color allows user to see where it has been applied.

AxxaCoat[™] 90 is excellent for the protection of metals against the elements of unsheltered shipping applications and for long-term outdoor protection. The coating provides excellent indoor protection for metals during shutdown and storage. Use to protect machinery, spare parts and other metal assets from corrosion during shipping or stored long-term indoors and outdoors. Customers wishing to use AxxaCoat[™] 90 with their airless sprayer should use AxxaCoat[™] 90B HFS version.



Benefits

- Effective corrosion protection where traditional anti-corrosion methods cannot be used
- Easy to apply, economical to use
- Suitable for new equipment, painted surfaces and to protect the reliability of existing equipment
- Limited self-healing at temperatures above 100°F (38°C)

Application Type

- Storage
- Shipping
- During Operation

Precautions

- This is NOT a lubricant. Do not use in place of oils or grease where lubrication, low torque, low friction surfaces are required.
- Apply in a well ventilated area to clean and dry metals.
- Avoid open flame or ignition sources during application or near partially dry coating.
- Remains tacky at exceptionally high-humidity (above 75%).
- Not recommended for hot surfaces above 201°C (94°C).

Storage

Store in a cool, dry place and away from sunlight in original packaging for up to 2 years from the date of shipment. Do not allow to freeze. Reseal or close container cap after each use. Product will dry and thicken in open container.

Disposal

Collect waste when removing. Dispose of in accordance with local, national and international regulations.

Availability

Zerust[®]/Excor[®] AxxaCoat[™] 90 is available in a ready to use liquid form. Contact your Zerust/Excor representative for ordering information.

Product	Part Number	Quantity	Product	Part Number	Quantity
AxxaCoat [™] 90 (Amber)	350-M-00046PL 350-M-00046DR	5 Gal (19 L) 55 Gal (208 L)	AxxaCoat [™] 90B (Black)	350-M-00054PL 350-M-00054DR	5 Gal (19 L) 55 Gal (208 L)
AxxaCoat [™] 90 HF (Amber High Flash)	350-M-00055PL 350-M-00055DR	5 Gal (19 L) 55 Gal (208 L)	AxxaCoat [™] 90B HF (Black High Flash)	350-M-00056PL 350-M-00056DR	5 Gal (19 L) 55 Gal (208 L)
AxxaCoat [™] 90B HFS (Sprayable Black High Flash)	350-M-00077PL 350-M-00077DR	5 Gal (19 L) 55 Gal (208 L)	AxxaCoat [™] 90B HF Aerosol (Black High Flash)	350-M-00078AC	12 oz (12 cans/case)

Application Instructions

Spray Application (only for AxxaCoat™ 90B HFS)

Commercial mechanical or airless paint sprayers can be used for spraying the AxxaCoat™ 90B HFS product. Test to ensure you get a consistent wide spray pattern with your selected sprayer. Use in well ventilated area on clean dry substrate. If on painted surfaces, test before use. Optimum when applied between 60-90°F, relative humidity below 75% RH and substrate temperature below 200°F. Avoid open flame or ignition source during application. Coat substrate evenly. Check visually to ensure all surfaces are covered. For longer protection period, coat surfaces again to build up coating thickness. Note that on vertical surfaces, some product may pool on the bottom or/and in holes, depressions. Pooled product will take longer to dry and may remain tacky. Wipe off excess product with clean cloth or paper towel. Depending on the thickness of product applied, dry time may take from 24 to 36 hours. Forced air and/or heating may help shorten dry time. Clean sprayer with kerosene or solvent after use. Dispose of excess product in accordance to local, state and national regulations.

Brush-on Application (for AxxaCoat™ 90B HF, 90B, 90, 90 HF)

Paint brushes, rollers, clean rags can be use to apply the product. Use in well ventilated area on clean dry substrate. If on painted surfaces, test before use. Optimum when applied between 60-90°F, relative humidity below 75% RH and substrate temperature below 200°F. Avoid open flame or ignition source during application. Coat substrate evenly. Check visually to ensure all surfaces are covered. For longer protection period, coat surfaces again to build up coating thickness. Note that on vertical surfaces, some product may pool on the bottom or/and in holes, depressions. Pooled product will take longer to dry and may remain tacky. Wipe off excess product with clean cloth or paper towel. If application takes several hours, decant the required amount into a smaller container to use while resealing the product original container to prevent it from drying out. Depending on the thickness of product applied, dry time may take from 24 to 36 hours. Forced air and/or heating may help shorten dry time. Wash and clean brush/rollers with kerosene or solvent. Dispose of excess product in accordance to local, state and national regulations.

Immersion/Dipping Application (for AxxaCoat™ 90B HF, 90B, 90, 90 HF)

Use in well ventilated area on clean dry substrate. If on painted surfaces, test before use. Optimum when applied between 60-90°F, relative humidity below 75% RH and substrate temperature below 200°F. Avoid open flame or ignition source during application. Decant the required amount into a smaller container to use while resealing the product original container to prevent contamination during dipping process and from drying out. Immerse required surface completely into the product. Check visually to ensure all surfaces are covered. Do not collect or reuse product drippings. Note that on vertical surfaces, some product may pool on the bottom or/and in holes, depressions. Pooled product will take longer to dry and may remain tacky. Wipe off excess product with clean cloth or paper towel. Depending on the thickness of product applied, dry time may take from 24 to 36 hours. Forced air and/or heating may help shorten dry time. Dispose of excess product in accordance to local, state and national regulations.

Surface Preparation

Metal surface must be clean, dry and free of rust, oil and mill scale before product is applied.

Removal

For smaller metal assets, it is recommended that the coating be removed by immersing the metal asset in kerosene or similar petroleum solvent until the product is removed.

For larger metal assets that cannot be immersed, a ultra-high power washer (above 3000 psi) is recommend to remove the product. If you require painting after removal, you will be required to wipe down the metal asset using kerosene or similar petroleum solvent after power washing. If no further painting or coating is needed, you can use hot >120°F (49°C) alkaline cleaner to remove the product.

Contact Us

Technical Data

Zerust®	AxxaCoat™ 90 (Amber)	AxxaCoat™ 90B (Black)	AxxaCoat™ 90 HF (Amber High Flash)	AxxaCoat™ 90B HF (Black High Flash)	AxxaCoat™ 90B HFS (Sprayable Black High Flash)	AxxaCoat™ 90B HF Aerosol (Black High Flash)
Product Info	Solvent cutback, wax-based, general purpose corrosion preventive compound.					
Appearance	Dark Brown Liquid	Black Liquid	Dark Brown Liquid	Black Liquid	Black Liquid	Black Liquid
Protected Substrates	Multimetal protection for ferrous, non-ferrous, and galvanized metals. Not for use on electronics.					
Application Application & coating substrate temperature: 60 to 90°F (16 to 32°C) Dry to touch time: 3 hrs at 77°F (25°C) <75% RH Dry time/full cure: 24 hrs* * Dry time can be reduced by using forced air and/or heating.	Brush, and limited immersion applications*	Brush, and limited immersion applications*	Brush, and limited immersion applications*	Brush, and limited immersion applications*	Spray	Spray
Protection Duration Tested on 1010 Steel panels with 20 Ra roughness	Indoors Indoors (w/ VCI Packaging) Outdoors Humidity ASTM D1748 Salt Spray Fog ASTM B117 UV Resistance ASTM G154-C1 Wind-driven Rain ASTM D6904 Compatibility with packaging * based on avg. dry film thickness of 2 mil. For airless sprayer application, average coating thickness per pass. For aerosol application, average coating thickness per pass: 0.5 mil. Up to 4 years* For many years* Up to 3 years* Exceeds 3000 hrs* Exceeds 3000 hrs* Exceeds 500 hrs* Pass (Steel) Check before use					
Viscosity	4907 cP viscosity measured at 50 RPM, spindle 64 at RT	4907 cP viscosity measured at 50 RPM, spindle 64 at RT	59567 cP viscosity measured at 5 RPM, spindle 64 at RT	82902 cP viscosity measured at 5 RPM, spindle 64 at RT	29034 cP viscosity measured at 5 RPM, spindle 64 at RT	N/A
Density at 25°C	0.88 g/mL	0.88 g/mL	0.88 g/mL	0.91 g/mL	0.91 g/mL	0.91 g/mL
TBN	28 mg KOH/g	28 mg KOH/g	28 mg KOH/g	28 mg KOH/g	28 mg KOH/g	28 mg KOH/g
Volatile Content ASTM D2369	45%	45%	45%	45%	45%	45%
Pounds per Gallon	7.34	7.34	7.34	7.59	7.59	7.59
Wet Film Thickness (mil)	10	10	10	10	10	10
Wet Film Coverage (@10 mil wet)	Approx 155 mL/m²	Approx 155 mL/m²	Approx 155 mL/m²	Approx 155 mL/m²	Approx 155 mL/m²	Approx 155 mL/m²
Dry Film Thickness (mil)	Approx 3	Approx 3	Approx 3	Approx 3	Approx 3	Approx 3
Spray Thickness (mil)	N/A	N/A	N/A	N/A	10	>14
Flash Point ASTM D93 (B)	Approx 147°F (64°C)	Approx 147°F (64°C)	Approx 201°F (94°C)	Approx 201°F (94°C)	Approx 185°F (85°C)	N/A
Low Temperature	Pass	Pass	Pass	Pass	Pass	Pass
One Pass (mil)	N/A	N/A	N/A	N/A	2.6	N/A

* Not for use in open tank immersion applications. May dip apply. Product will dry and thicken in open container.

DECLARATION

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