AMERON
INTERNATIONAL
Performance Coatings & Finishes

Amercoat® 140

Epoxy repair compound

Product Data/ Application Instructions
(For Marine & Offshore use)

Good application properties
- Non-sag properties
- Good spreadability
- Cured coating can be sanded or drilled and is compatible over many existing coatings

Excellent resistance properties
- Non-conductive
- Water resistant
- Resistant to many solvents and chemicals

Typical Uses

Repair defects, damage, or corrosion pits on a variety of surfaces.
- Most metals
- Fiberglass composites

Provide a non-conductive barrier coating for:
- Impressed current anode shields
- Bimetallic connections
- Electrical connections

Surface Preparation

Coating performance, in general, is proportional to the degree of surface preparation. Prior to coating, all surfaces must be clean, undamaged, dry and free of all contaminants, including salt deposits.

Steel – Abrasive blast SSPC-SP10. Prepare surface in accordance with Application Instructions for specific primer being used.

Environmental Conditions

Temperature	°F	°C
material	65 to 80	18 to 27
surface	40 to 100	4 to 38

Below 65°F (18°C) workability is reduced and application more difficult. Above 80°F (27°C) working time decreases.

Amercoat 140 can be applied to surfaces as low as 50°F (10°C); although curing is retarded, typical properties of cured material will not be affected.

Physical Data

Color	Gray	
Components	2	
Curing mechanism	Chemical reaction between components	
Volume solids	100%	
Theoretical coverage	ft²/unit	
1 mil (25 microns)	1604 sq. ft./gal at 1 mil	
3 lb unit	406	
20 lb unit	2709	
VOC	lb/gal	g/L
mixed	0.08	9.6
Flash point (SETA)	°F	°C
Amercoat 140 converter	>200	93
Amercoat 140 base	>200	93
Amercoat 12	2	-17
Amercoat 928	175	79
Temperature resistance		
dry	250°F (121°C)	

Application Data

Applied over	Prepared or primed steel, concrete, masonry block
Surface preparation	
steel	Abrasive blast
intact epoxy coating	Cleaned and roughened aged coating
Method	Squeegee, trowel, spatula
Mixing ratio (by volume)	1 part base to 1 part converter

	°F/°C		
	90/32	70/21	50/10
Working time (hours)	1	2 1/2	4
Initial setting (hours)	9	18	36
Curing time before topcoating			
minimum (hours	9	18	36
maximum (hours)			
with Amercoat 140	36	72	144
with solvent epoxy topcoats	6 months		

If maximum recoat time exceeded, roughen surfaces.

Equipment cleaner	Amercoat 12 or 928

Formerly Devran® 140

Mixing

Amercoat 140 is supplied in the correct proportions of base and converter which must be mixed together before use. Mix only full units. Make no additions or deletions. Any deviations will inhibit curing and alter final physical properties. Do not mix more material than can used within working time: $2^{1}/_{2}$ hours at 70°F (21°C). Material which has begun to set must be discarded.

Application

Apply Amercoat 140 to the surface using a short nap paint roller or trowel. Spread and work the filler compound across surface filling voids and pits using wide bladed putty knife. Continue working filler compound across surface, applying pressure to achieve a smooth finish. Leave only a slight film above the surface plane. Filler compound should appear somewhat transparent.

A single application will provide a suitable surface for application of a coating.

Do not exceed 3 days at 70°F (21°C) before second application. When making second application, use only reasonable pressure to build film thickness to approximately 5 to 10 mils above the surface plane, at the same time remove ridges left during spreading of the filler compound by the application tool.

After curing hard, the surface can be sanded.

Cleanup

Clean all mixing equipment and application tools immediately with Amercoat 12 or Amercoat 928.

Coverage

Coverage depends upon the number and size of holes to be filled.

Safety Precautions

Read each component's material safety data sheet before use. Mixed material has hazards of each component. Safety precautions must be strictly followed during storage, handling and use.

This product is for industrial use only. Not for residential use.

CAUTION – Improper use and handling of this product can be hazardous to health and cause fire or explosion.

Do not use this product without first taking all appropriate safety measures to prevent property damage and injuries. These measures may include, without limitation: implementation of proper ventilation, use of proper lamps, wearing of proper protective clothing and masks, tenting and proper separation of application areas. Consult your supervisor. Proper ventilation and protective measures must be provided during application and drying to keep solvent vapor concentrations within safe limits and to protect against toxic hazards. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interiors and buildings.

This product is to be used by those knowledgeable about proper application methods. Ameron makes no recommendation about the types of safety measures that may need to be adopted because these depend on application and space, of which Ameron is unaware and over which it has no control.

If you do not fully understand the warnings and instructions or if you cannot strictly comply with them, do not use the product.

Note: Consult Code of Federal Regulations Title 29, Labor, parts 1910 and1915 concerning occupational safety and health standards and regulations, as well as any other applicable federal, state and local regulations on safe practices in coating operations.

Shipping Data

Packaging units	5.3 lbs	21.4 lbs
converter	1 qt can	1 gal can
base	1 qt can	1 gal can
Shipping weight (approx)	5.3 lbs	21.4 lbs
converter	2.9	11.4
base	3.0	11.6

Shelf life when stored indoors at 40 to 100°F (4 to 38°C)
1 year from shipment date

Numerical values are subject to normal manufacturing tolerances and testing variances. Allow for application losses and surface irregularities.

This mixed product is nonphotochemically reactive as defined by the South Coast Air Quality Management District's Rule 102 or equivalent regulations.

Limitation of Liability

Ameron's liability on any claim of any kind, including claims based upon Ameron's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which give rise to the claim. **In no event shall Ameron be liable for consequential or incidental damages.**

Warranty

Ameron warrants its products to be free from defects in material and workmanship. Ameron's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at Ameron's option, to either replacement of products not conforming to this Warranty or credit to Buyer's account in the invoiced amount of the nonconforming products. Any claim under this Warranty must be made by Buyer to Ameron in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify Ameron of such nonconformance as required herein shall bar Buyer from recovery under this Warranty.

Ameron makes no other warranties concerning the product. No other warranties, whether express, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall Ameron be liable for consequential or incidental damages.

Any recommendation or suggestion relating to the use of the products made by Ameron, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know-how in the industry, and therefore it is for Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

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