



Amercoat® 635

Antifouling coating

EPA REGISTRATION NO.: 8120-49

RESTRICTED USE PESTICIDE

Product Data/ Application Instruction

- Compatible over epoxy, coal-tar epoxy, vinyl and synthetic resin coatings
- Controlled released, organotin copolymer antifouling
- Can be used on aluminum and steel hulls

Typical Uses

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. It is unlawful to use this product on non-aluminum hulled vessels less than 82 feet (25 meters) in length (on deck) except for the outboard motor or lower drive unit of such vessels. Users must comply with all applicable US requirements.

Application Instructions

Adhere to all application instructions, precautions, conditions, and limitations for maximum performance.

Surface Preparation

Coating performance is proportional to the degree of surface preparation. All surfaces must be clean and dry before applying coating.

New vinyl or epoxy - Surface should be clean and dry.

Old vinyl or epoxy - Pressure water hose or sand wash to remove fouling organisms or contamination; allow to dry.

Application

New or old vinyl or synthetic resin primers - apply Amercoat 635 any time after primer or intermediate coat has dried.

New epoxy - apply Amercoat 635 while epoxy is still tacky or soft to the finger nail

Old epoxy - apply 1 coat Amercoat 83A or Amercoat 84* at 1-2 mils (25 microns), topcoat with Amercoat 635 while epoxy is still tacky or soft to the finger nail.

Note: When applying Amercoat 635 antifouling coating over epoxy or coal-tar epoxy anti-corrosive coatings, apply first coat of antifouling while anticorrosive (epoxy or coal-tar-epoxy) is still tacky or soft to the finger nail. At temperatures above 50°F (10°C), the topcoat time will be between 4 and 8 hours. At temperatures below 50°F (10°C), the topcoat time will be within 48 hours. Failure to apply antifouling coating while anticorrosive is still tacky may result in poor adhesion between coatings and the eventual delamination of antifoulant from the anticorrosive.

Application Equipment

The following is a guide; suitable equipment from other manufacturers may be used. Changes in pressure and tip size may be needed for proper spray characteristics.

Airless spray - Standard equipment such as Graco Bulldog Hydra-Spray or larger, with a 0.019 inch fluid tip.

Conventional spray - Industrial equipment such as DeVilbiss MBC or JGA or Binks 18 or 62 spray gun. Separate air and fluid pressure regulators and a moisture and oil trap in the main air supply line are recommended.

* Exempt version available

Mixer - Jiffy Mixer powered by an air or explosion-proof electric motor.

Physical Data

Finish	Flat	
Color	Black, oxide red, white, blue, green	
Components	1	
Curing mechanism	Solvent release	
Volume solids (ASTM D2697 modified)	39% ± 3%	
Dry film thickness	3 mils (75 microns)	
Coats	2	
Theoretical coverage	ft ² /gal	m ² /L
1 mil (25 microns)	625	15.3
3 mils (75 microns)	208	5.1
VOC	lb/gal	g/L
635	4.6	552
635 thinned (1/2 pt/gal)	4.8	576
Flash point (SEITA)	°F	°C
Amercoat 635	84	29
Amercoat 65	78	25
Amercoat 12	0	-18

Application Data

Applied over New or old vinyl, synthetic resin or epoxy primers or intermediates

Surface preparation Clean, dry surface, see primer specifications

Method Airless or conventional spray, brush or roller

Environmental conditions

Temperature	°F	°C
air and surface	0 to 120	-18 to 44

Surface temperature at least 5°F (3°C) above dew point to prevent condensation

Drying time (ASTM D1640)

	17°C		
	90/35	70/2150/10	
touch	0	30	0
through	0	2	0
recoat	0	2	0
immersion	0	16	0

Time before service at 3 mil (75 microns)

Thinner Amercoat 65

Cleaner Amercoat 12

Shipping Data

Packaging 5-gal container

Shipping weight (approx.)	lb	kg
5-gal unit	59	26.9

Shelf life when stored indoors at 40 to 100°F (4 to 38°C)

1 year from shipment date

ACCEPTED
JUN 13 1992
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 8120-49

BEST AVAILABLE COPY

Application Procedure

1. Clean all equipment with Amercoat 12 cleaner before use.
2. Mix material thoroughly with explosion-proof mechanical mixer until uniform.
3. Thinning normally not required. If thinning necessary for workability, thin with up to 1/2 pint Amercoat 65 per gallon Amercoat 635.
4. Apply a wet coat in even, parallel passes; overlap each pass 50 percent to avoid holidays, bare areas and pinholes. If required, cross spray at right angles to first pass.
5. Clean all equipment with Amercoat 12 immediately after use.

Amercoat 635 - Danger! Corrosive. Flammable. Contains xylene, organotin polymers, naphtha and zinc oxide.

Precautionary Statements

Restricted Use Pesticide - Due to Toxicity to Aquatic Organisms including Shellfish: For sale only to certified commercial applicators and for use only by certified commercial applicators or by persons under the direct supervision of an on-site (at the work site) certified commercial applicator.

Hazards to Humans (and Domestic Animals)

Danger! Corrosive. Causes irreversible eye damage and burns. Harmful if absorbed through skin, swallowed, or inhaled. Do not get in eyes, on skin or clothing. Wear protective clothing such as goggles, gloves, long-sleeved cotton shirt, long pants and hat. Wear a NIOSH/MSHA certified mask or respirator. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling. Do not breathe vapors, spray mist or sanding dust. Use with adequate ventilation.

Statement of Practical Treatment - If swallowed, drink promptly a large quantity of water. Avoid alcohol. Get medical attention.

Note to Physician - Probable mucosal damage may contraindicate the use of gastric lavage. If in eyes: Flush with plenty of water and get medical attention. If on skin: Wash with plenty of soap and water. If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

Environmental Hazards - This pesticide is toxic to aquatic organisms including fish and shellfish.

Physical or Chemical Hazards - Flammable. Keep away from heat, sparks, fire and open flame. In case of spillage, eliminate all sources of ignition.

Storage and Disposal - Keep container closed when not in use. Store in cool, dry, well-ventilated area. Do not contaminate water, food or feed by storage or disposal.

Pesticide Disposal: Paint chips, spent abrasive, and any other waste materials from removal of old paint must be disposed of in a sanitary landfill (or, if required by Federal, State or local regulations, handled as a hazardous waste). If possible, use all of the contents by application according to label instructions. Manage excess paint, rinseate, and other application wastes in accordance with Federal, State, and local requirements. Consult your State pesticide or Environmental control agency, nearest EPA Regional Office, or the RCRA Superfund Hotline (800-424-9346) for waste disposal guidance.

Improper use and handling of this product can be hazardous to health and cause fire or explosion. Safety precautions with Application Instructions must be strictly followed during storage, handling, application and drying periods.

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

This product is for industrial use only.

Container Disposal: Triple rinse container if intended for recycling or reconditioning. Empty paint containers with small amounts of dried residue must be disposed of in a sanitary landfill (or, if required by Federal, State or local regulations, handled as a hazardous waste).

Improper use and handling of this product can be hazardous to health and cause fire or explosion. Proper ventilation and protective measures must be provided during application and drying to keep solvent vapor concentrations within safe limits and to protect personnel against toxic hazards. This is especially true in confined spaces such as tank interiors. Consult Code of Federal Regulations Title 29, Labor, parts 1910 and 1915 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. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces.

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

Notice: This product is for industrial use only.

Warranty

This Warranty pertains to a product containing chemicals required to be registered with the U. S. Environmental Protection Agency and superseded Section 6 of Ameron Protective Coatings Division's Standard Terms and Conditions of Sale as listed on the invoice.

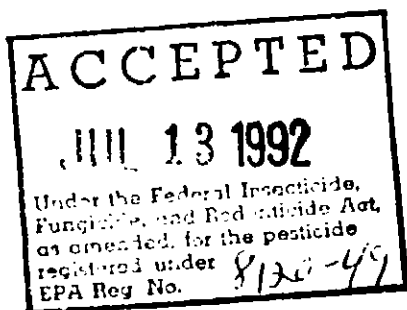
Ameron warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the directions for use, subject to the inherent risks referred to below. **Ameron makes no other warranty express or implied of fitness or merchantability or any other express or implied warranty.**

If a product does not conform with this Warranty, Buyer must notify Ameron within five days of discovery of the defect, but in no event later than one year after delivery date or the expiration of the applicable shelf life, whichever is shorter. Ameron's sole obligation under this Warranty shall be at its option, to credit Buyer's account, or to supply replacement material or repair. Failure to notify Ameron of nonconforming goods under this Warranty, within the time specified above, shall bar Buyer from recovery hereunder. In no case shall Ameron be liable for consequential, special, indirect, punitive or other damages resulting from the use or handling of this product. Ameron offers this product and Buyer accepts it, subject to the conditions of sale and warranty which may be varied only by a written agreement signed by a duly authorized representative of Ameron.

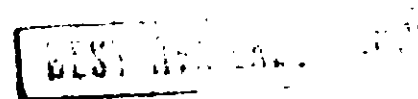
The directions for use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials or the manner of use or application, all of which are beyond Ameron's control. All such risks are assumed by Buyer.

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, or 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.



Ameron.
Protective Coatings
Division





Amercoat® 635

Antifouling coating

EPA REGISTRATION NO.: 8120-49

RESTRICTED USE PESTICIDE

Product Data/ Application Instruction

- Compatible over epoxy, coal-tar epoxy, vinyl and synthetic resin coatings
- Controlled released, organotin copolymer antifouling
- Can be used on aluminum and steel hulls

Typical Uses

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. It is unlawful to use this product on non-aluminum hulled vessels less than 82 feet (25 meters) in length (on deck) except for the outboard motor or lower drive unit of such vessels. Users must comply with all applicable OSHA requirements.

Application Instructions

Adhere to all application instructions, precautions, conditions, and limitations for maximum performance.

Surface Preparation

Coating performance is proportional to the degree of surface preparation. All surfaces must be clean and dry before applying coating.

New vinyl or epoxy - Surface should be clean and dry.

Old vinyl or epoxy - Pressure water hose or sand wash to remove fouling organisms or contamination; allow to dry.

Application

New or old vinyl or synthetic resin primers - apply Amercoat 635 any time after primer or intermediate coat has dried.

New epoxy - apply Amercoat 635 while epoxy is still tacky or soft to the finger nail.

Old epoxy - apply 1 coat Amercoat 83A or Amercoat 84* at 1-2 mils (25 microns), topcoat with Amercoat 635 while epoxy is still tacky or soft to the finger nail.

Note: When applying Amercoat 635 antifouling coating over epoxy or coal-tar epoxy anti-corrosive coatings, apply first coat of antifouling while anticorrosive (epoxy or coal tar-epoxy) is still tacky or soft to the finger nail. At temperatures above 50°F (10°C), the topcoat time will be between 4 and 8 hours. At temperatures below 50°F (10°C), the topcoat time will be within 48 hours. Failure to apply antifouling coating while anticorrosive is still tacky may result in poor adhesion between coatings and the eventual delamination of antifouling from the anticorrosive.

Application Equipment

The following is a guide; suitable equipment from other manufacturers may be used. Changes in pressure and tip size may be needed for proper spray characteristics.

Airless spray - Standard equipment such as Graco Bulldog Hydra-Spray or larger, with a 0.019 inch fluid tip.

Conventional spray - Industrial equipment such as DeVilbiss MBC or JGA or Binks 18 or 62 spray gun. Separate air and fluid pressure regulators and a moisture and oil trap in the main air supply line are recommended.

* Exempt version available

Mixer - Jiffy Mixer powered by an air or explosion-proof electric motor.

Physical Data

Finish	Flat	
Color	Black, oxide red, white, blue, green	
Components	1	
Curing mechanism	Solvent release	
Volume solids (ASTM D2697 modified)	39% ± 3%	
Dry film thickness	3 mils (75 microns)	
Coats	2	
Theoretical coverage	ft ² /gal	m ² /L
1 mil (25 microns)	625	15.3
3 mils (75 microns)	208	5.1
VOC	lb/gal	g/L
635	4.6	552
635 thinned (1/2 pt/gal)	4.8	576
Flash point (SETA)	°F	°C
Amercoat 635	84	29
Amercoat 65	78	25
Amercoat 12	0	-18

Application Data

Applied over	New or old vinyl, synthetic resin or epoxy primers or intermediates	
Surface preparation	Clean, dry surface, see primer specifications	
Method	Airless or conventional spray, brush or roller	
Environmental conditions		
Temperature	°F	°C
air and surface	0 to 120	-18 to 44
Surface temperature at least 5°F (3°C) above dew point to prevent condensation		
Drying time (ASTM D1640)		

	°F/°C		
	90/35	70/21	150/10
touch	0	30	0
through	0	2	0
recoat	0	2	0
immersion	0	16	0

Time before service at 3 mil (75 microns)
Thinner Amercoat 65
Cleaner Amercoat 12

Shipping Data

Packaging	5-gal container	
Shipping weight (approx.)	lb	kg
5-gal unit	59	26.9

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

ACCEPTED

JUL 13 1992

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, by the pesticide registration...

EPA Reg. No. 8120-49

Application Procedure

1. Clean all equipment with Amercoat 12 cleaner before use.
2. Mix material thoroughly with explosion-proof mechanical mixer until uniform.
3. Thinning normally not required. If thinning necessary for workability, thin with up to 1/2 pint Amercoat 65 per gallon Amercoat 635.
4. Apply a wet coat in even, parallel passes; overlap each pass 50 percent to avoid holidays, bare areas and pinholes. If required, cross spray at right angles to first pass.
5. Clean all equipment with Amercoat 12 immediately after use.

Amercoat 635 - Danger! Corrosive. Flammable. Contains xylene, organotin polymers, naphtha and zinc oxide.

Precautionary Statements

Restricted Use Pesticide - Due to Toxicity to Aquatic Organisms including Shellfish: For sale only to certified commercial applicators and for use only by certified commercial applicators or by persons under the direct supervision of an on-site (at the work site) certified commercial applicator.

Hazards to Humans (and Domestic Animals)

Danger! Corrosive. Causes irreversible eye damage and burns. Harmful if absorbed through skin, swallowed, or inhaled. Do not get in eyes, on skin or clothing. Wear protective clothing such as goggles, gloves, long-sleeved cotton shirt, long pants and hat. Wear a NIOSH/MSHA certified mask or respirator. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling. Do not breathe vapors, spray mist or sanding dust. Use with adequate ventilation.

Statement of Practical Treatment - If swallowed, drink promptly a large quantity of water. Avoid alcohol. Get medical attention.

Note to Physician - Probable mucosal damage may contraindicate the use of gastric lavage. If in eyes: Flush with plenty of water and get medical attention. If on skin: Wash with plenty of soap and water. If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

Environmental Hazards - This pesticide is toxic to aquatic organisms including fish and shellfish.

Physical or Chemical Hazards - Flammable. Keep away from heat, sparks, arc and open flame. In case of spillage, eliminate all sources of ignition.

Storage and Disposal - Keep container closed when not in use. Store in cool, dry, well-ventilated area. Do not contaminate water, food or feed by storage or disposal.

Pesticide Disposal: Paint chips, spent abrasive, and any other waste materials from removal of old paint must be disposed of in a sanitary landfill (or, if required by Federal State or local regulations, handled as a hazardous waste). If possible, use all of the contents by application according to label instructions. Manage excess paint, rinseate, and other application wastes in accordance with Federal, State, and local requirements. Consult your State pesticide or Environmental control agency, nearest EPA Regional Office, or the RCRA/Superfund Hotline (800-424-9346) for waste disposal guidance.

Improper use and handling of this product can be hazardous to health and cause fire or explosion. Safety precautions with Application Instructions must be strictly followed during storage, handling, application and drying periods.

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

This product is for industrial use only.

Container Disposal: Triple rinse container if intended for recycling or reconditioning. Empty paint containers with small amounts of dried residue must be disposed of in a sanitary landfill (or, if required by Federal, State or local regulations, handled as a hazardous waste).

Improper use and handling of this product can be hazardous to health and cause fire or explosion. Proper ventilation and protective measures must be provided during application and drying to keep solvent vapor concentrations within safe limits and to protect personnel against toxic hazards. This is especially true in confined spaces such as tank interiors. Consult Code of Federal Regulations Title 29, Labor, parts 1910 and 1915 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. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces.

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

Notice: This product is for industrial use only.

Warranty

This Warranty pertains to a product containing chemicals required to be registered with the U. S. Environmental Protection Agency and supersedes Section 6 of Ameron Protective Coatings Division's Standard Terms and Conditions of Sale as listed on the invoice.

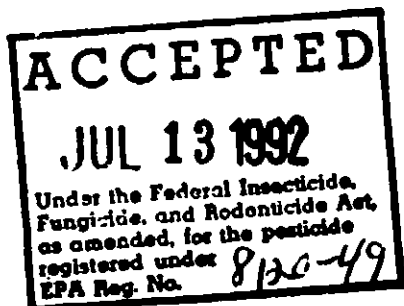
Ameron warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the directions for use, subject to the inherent risks referred to below. Ameron makes no other warranty express or implied of fitness or merchantability or any other express or implied warranty.

If a product does not conform with this Warranty, Buyer must notify Ameron within five days of discovery of the defect, but in no event later than one year after delivery date or the expiration of the applicable shelf life, whichever is shorter. Ameron's sole obligation under this Warranty shall be at its option, to credit Buyer's account, or to supply replacement material or repair. Failure to notify Ameron of nonconforming goods under this Warranty, within the time specified above, shall bar Buyer from recovery hereunder. In no case shall Ameron be liable for consequential, special, indirect, punitive or other damages resulting from the use or handling of this product. Ameron offers this product and Buyer accepts it, subject to the conditions of sale and warranty which may be varied only by a written agreement signed by a duly authorized representative of Ameron.

The directions for use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials in the manner of use or application, all of which are beyond Ameron's control. All such risks are assumed by Buyer.

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 damage.



Ameron.

Protective Coatings
Division

BEST AVAILABLE COPY

201 North Berry Street, Brea, California 92622-1020 • J. F. Kennedylan 7, 4191 MZ Geldermalsen, The Netherlands

©1986 Ameron • Printed in U.S.A. • MSDS superseded R11/01