



Performance Coatings & Finishes

# Amercoat® 866M

## Accelerator

## Product Data/ Applications Instructions

Amercoat 866M is used with mixed units of Amershield™ and Amercoat 450HS to accelerate hardening at low temperatures.

### Instructions for Use

1. Mix thoroughly the resin and cure components for a 5-gallon unit. Refer to application instructions for Amershield or Amercoat 450HS.
2. Add a 1/2-pint container of 866M Accelerator and mix thoroughly. Add 866M Accelerator only to mixed resin and cure.

**Caution:** The addition of 866M Accelerator will shorten pot life and reduce viscosity. Do not use more than a 1/2 pint 866M Accelerator per 5-gallon unit of coating.

3. Apply Amershield or Amercoat 450HS according to the application instructions for specific product.

### Physical Data

Color	Clear	
VOC	lbs/gal	g/L
	8.04	803
Flash point (SETA)	°F	°C
Amercoat 866M	94	34
Amershield resin	110	43
Amershield cure	122	50
Amershield mixed	115	46
Amercoat 450HS resin	97	36
Amercoat 450HS cure	92	33
Amercoat 450HS mixed	98	37

### Application Data

Mixing ratio 1/2-pint per mixed 5-gallon unit of Amershield or Amercoat 450HS

#### Amershield

Pot life (hours)	°F/°C			
	90/32	70/21	50/10	32/0
Amershield	1 1/2	2 1/2	5	-
Amershield with 866	1 1/2	1	2	4

Drying time (ASTM D1640) (hours)	°F/°C			
	90/32	70/21	50/10	32/0
touch	1	2 1/2	4	-
with 866M	1 1/2	3 1/4	1	2 1/2
through	5	10	72	-
with 866M	2	3	6	10

Recoat time (hours)	°F/°C			
	90/32	80/26	70/21	50/10
minimum	4	5 1/2	8	48
with 866M	1 1/2	1 3/4	2	4
maximum*	12	24	168	168
with 866M	6	8	12	24
				48

\*Roughen surface or use Amerase™ if maximum recoat time is exceeded.

#### Amercoat 450HS

Pot life (hours)	°F/°C		
	90/32	70/21	50/10
450HS	2	4	6
with 866M	3/4	1 1/2	3

Drying time (ASTM D1640) (hours)	°F/°C				
	120/49	90/32	70/21	50/10	32/0
touch (minutes)	NA	10	30	90	-
with 866M	1 1/2	7	25	72	240
through (hours)	1 1/2	4	8	24	-
with 866M	3/4	1 3/4	2 1/2	8	36

Recoat Time					
minimum(hours)	1/2	2	4	12	-
with 866M	1/4	1	1 1/2	4	16
maximum**(days)	8(hrs)	7	30	60	-
with 866M	4(hrs)	2	7	15	30

\*\*Roughen surface if maximum recoat time is exceeded.

NA = not applicable

Packaging 1/2-pint containers

Shipping weight (approx)	lb	kg
1/2 pint	0.65	0.29

Numerical values are subject to normal manufacturing tolerances and testing variances.

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

**Formerly Amercoat 3358**

## Safety Precautions

Read safety data sheet before use. Safety precautions must be strictly followed during storage, handling and 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 type of safety measures that may need to be adopted because these depend on application environment and space, of which Ameron is unaware and over which it has no control.**

**If you do not fully understand these 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 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.

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

## 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 to 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.

## 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.**



Ameron U.S.A. • 13010 Morris Rd, Suite 400, Alpharetta, GA 30004 • (678) 393-0653  
Ameron B.V. • J.F. Kennedylaan 7, 4191 MZ Geldermalsen, The Netherlands • (31) 345-587-587