



Amercoat 4069

Deck Screed

Product Data/ Application Instructions

- **A high performance solvent free, non-skid epoxy deck coating system**
- **Specially developed for heavy duty services**
- **Can be applied over suitably primed steel and primed concrete surfaces**

Typical Uses

Amercoat 4069 is a high profile deck coating, providing high performance on horizontal steel and concrete surfaces of offshore and industrial facilities.

Recommended Systems

Use Amercoat 68 as a primer for steel substrates and Nu-Klad 813B for concrete substrates. For specific recommendations, please contact your Ameron representative.

Physical Data

Finish	non-skid
Colour	grey
Components	3 + aggregate
Mixing ratio (by volume)	
resin	4 parts
cure	1 part
filler	3 parts
Curing mechanism	chemical reaction between components
Dry film thickness	3 mm per coat
Number of coats	1
Volume solids	100%
Calculated coverage	3 m ² per unit of 10 l (19.4 kg) at 3 mm dft
Allow for application losses, surface irregularities, etc.	
Specific gravity	1.94 kg/l (mixed product)
Flash points	
(Closed Cup).....	°C °F
resin	60 140
cure	60 140
filler	not applicable
aggregate	not applicable
Amercoat 12	24 75

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Surface Preparation

Proper surface preparation and application instructions of underlying coats are essential for maximum performance. Refer to the application instructions for the specific primers being used. Ensure that primers are clean and observe the minimum and maximum overcoating times.

Application Equipment

Amercoat 4069 is applied by trowel.

MIXER - Power mixer.

Application Data Summary

Like all high performance coatings, Amercoat 4069 must be applied as recommended to obtain the maximum protection for which this coating is formulated. Amercoat 4069 has excellent application characteristics. It is applied by trowel. To obtain the maximum performance for which Amercoat 4069 is formulated, strict adherence to all application instructions, precautions, conditions and limitations is necessary. If conditions exist that are not within the requirements or limitations described, consult your Ameron representative.

Application Data

Substrate primed steel or primed concrete

Application method by trowel

Potlife (at 20°C/68°F) 45 minutes

Potlife is dependent on temperature and quantities mixed.

Environmental Conditions

(during application and drying)

Air temperature 10 - 50°C 50 - 122°F

Surface temperature 10 - 50°C 50 - 122°F

Material temperature 15 - 25°C 59 - 77°F

To prevent moisture condensation during application, surface temperature must be at least 3°C/5°F above dew point. Never apply coatings under adverse environmental conditions. The minimum temperature for satisfactory cure is 10°C/50°F.

Drying and Curing Times

(in hours at 3 mm dft) °C/°F 10/50 20/68 30/86

dry to foot traffic 48 24 12

NOTE: Drying and curing times are dependent on air and steel temperature, applied film thickness, ventilation and other environmental conditions. Times are proportionally shorter at higher temperature and longer at lower temperatures. Prior to recoating ensure the surface is clean. Maximum recoating time depends on coating system to be used. Consult your Ameron representative for specific recommendations.

Cleaner Amercoat 12

Amercoat 4069

Application Procedure

Amercoat 4069 is packaged in the proper mixing proportions of resin, cure and filler.

Resin 5 l in 10 l can
Cure 1.25 l in 2½ l can
Filler 3.75 l (9.94 kg) in 10 l can
Aggregate 15 kg in bag

- 1 Ensure that all equipment is clean.
- 2 Stir resin and cure to an even consistency with a power mixer, prior to mixing.
- 3 Add filler to resin and stir until homogenous.
- 4 Add cure to filler/resin and mix until homogenous.
Do not thin for any reason.
Since pot life is limited and shortened by high temperatures do not mix more material than will be used within the pot life period (45 minutes at 20°C/68°F).
- 5 Pour the material from the can and spread with a trowel. Apply at least 3 l (5.8 kg) per square metre to obtain a dry film thickness of 3 mm.
- 6 Strew the aggregate into the wet coating (approximately 5 kg/m²).
- 7 Clean all equipment with Amercoat 12 cleaner immediately after use.

Shipping Data

Packaging (1 unit)

resin 5 l in 10 l can
cure 1.25 l in 2½ l can
filler 3.75 l (9.94 kg) in 10 l can
aggregate 15 kg in bag
(usage ± 5 kg/m²)

Shipping weight

resin approx. 8.5 kg
cure approx. 4.0 kg
filler approx. 11 kg
aggregate approx. 15.2 kg

Shelf life 1 year from shipment date when stored indoors in unopened, original containers at 5 to 40°C (41 to 104°F).

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Caution

Keep container closed. Use with adequate ventilation. Avoid prolonged and repeated contact with skin. If used in confined areas, observe the following precautions to prevent damage to health:

1. Circulate adequate fresh air continuously during application and drying.
2. Use fresh air masks. Do not empty into drain. For specific information on hazardous ingredients, required ventilation, possible consequences of contact, and safety measures see safety data sheet.

Safety

Since improper use and handling can be hazardous to health and cause of fire or explosion, safety precautions included with Product Data/Application Instruction and Material Safety Data Sheet must be observed during all storage, handling, use and drying periods.

Warranty

Ameron warrants its products to be free from defects in material and workmanship. Ameron's sole obligations and Buyer's exclusive remedy in connection with the products shall be limited, at Ameron's option, to either replacement of products not conforming this warranty or credit to Buyer's account in the invoiced amount of the non-conforming 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 non-conformance 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 particular purpose, shall apply. In no event shall Ameron be liable for consequential or incidental damages.

Any recommendations or suggestion relating to the use of the products made by Ameron, whether in its technical literature, or response to specific enquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyer's having requisite skill and know-how in the industry, and therefore it is 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, as 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.

Due to Ameron's policy of continuous product improvement, the information contained in this Product Data/Application Instructions sheet is subject to change without notice. It is the Buyer's responsibility to check that this issue is current prior to using the product. For the most up-to-date Product Data/Application Instructions always refer to the Ameron Performance Coatings & Finishes website at www.amerondirect.co.uk

To avoid any confusion that may arise through translation into other languages, the English version of the Product Data/Application Instructions will be the governing literature and must be referred to in case of deviations with product literature in other languages.

Condition of Sale

All our transactions are subject to our Terms and Conditions of Sale.