



Amercoat 2202

Water Based Epoxy Surfacer

Product Data/ Application Instructions

- **Water based epoxy surfacer for primed concrete substrates**
- **Thin film surfacer to prepare concrete for liquid organic surface coatings**

Typical Uses

As a surfacer for primed concrete substrates in combination with suitable coating systems in chemical plants, oil refineries, nuclear industry, food & beverage- and pharmaceutical industries.

Outstanding Characteristics

Amercoat 2202 is a water based epoxy surfacer applied in a thin film providing an excellent smooth and well adhering surface for liquid organic coatings. In combination with suitable finish coats it will withstand splash and spillage of fresh and salt water and chemicals.

Amercoat 2202 does not contain any solvents and can be used in nuclear-, food & beverage- and pharmaceutical industries as well as for maintenance in other confined areas.

Physical Data

Colour	white
Substrate	primed concrete
Components	3
Mixing ratio (by volume)	
resin	2.41 l
cure	0.70 l
filler	2.75 kg
Volume solids	57.5% (ASTM D2697 modified)*
VOC	0
Calculated coverage	5.75 m ² /l at 100 µm
Allow for application losses, surface irregularities, etc.	
Specific gravity	1.85 kg/l (mixed product)
Flash points (Closed Cup)	
resin	not applicable
cure	not applicable
thinner/cleaner	not applicable

* Volume solids is measured in accordance with ASTM D2697 modified. Slight variations ±3% may occur due to colour and testing variances.

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Surface Preparation

Amercoat 2202 is applied over concrete surfaces primed with Amercoat 2200 primer/sealer. The primed concrete surfaces must be clean, free from moisture and contaminants, such as dust, dirt, grease or oil.

Application Equipment

- Amercoat 2202 is applied by trowel or rubber squeegee.
- Amercoat 2202 must be mixed with a "mortar" type mixer.

Application Data

Application method trowel

Environmental Conditions

Air temperature:	10 to 30°C.	50 to 86°F
Surface temperature:	10 to 30°C	50 to 86°F
Storage:	10 to 35°C	50 to 95°F

Amercoat 2202 contains water; protect from freezing. During application the surface temperature of the concrete shall be at least 3°C/5°F above the dew point, to prevent moisture condensation.

At relative humidities above 80% drying times will be retarded due to the low evaporation rate of water under these conditions. During application the relative humidity should not raise above 90%.

Potlife (at 20°C/68°F) 1½ hours

Potlife is dependent on temperature and quantities mixed.

Drying times at 21°C/70°F and 100 µm dft	
dry to touch	2 hours
dry hard	6 - 8 hours
dry to recoat	24 hours

Note: at high relative humidities drying times will be retarded.

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Application Procedure

Amercoat 2202 is packaged in three components in the proper proportions which must be mixed together before use:

resin: 2.41 l in 5 l can

cure: 0.70 l in 1 l can

filler: 0.89 l in 5 l can

1. Amercoat 2202 is always mixed mechanically. Use a suitable "mortar" type mixer.
2. Add the curing solution to the resin solution and stir until the mixture is uniform. Then add slowly the powder component during mixing. Continue power mixing until a uniform consistency is achieved.
3. Apply mixed Amercoat 2202 surfacer by trowel or squeegee to concrete primed with Amercoat 2200 and spread to achieve a smooth surface.
NOTE: To achieve a very smooth surface, without trowel marks, which may show when a glossy finish coat is applied, smoothen the Amercoat 2202 surface with a wet sponge, half an hour after its application.
4. Before applying topcoats allow Amercoat 2202 to dry and cure for 24 hours at 20°C/68°F.
5. The end of the pot life will not be shown by viscosity increase. Material must be used prior to the expiration of the potlife. Potlife of Amercoat 2202 is:
 - 1½ hours at 21°C/70°F
 - 2 hours at 15°C/59°F
 - 2½ hours at 10°C/50°F
6. Clean all equipment after use with fresh water.

Shipping Data

Shipping weight approx. 8.5 kg per unit

Shelf life

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

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

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

* Product contains water; protect from freezing.

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Caution

This product does not contain organic solvents and therefore does not present the dangers which are normally related to solvents.

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 drains. For specific information on hazardous ingredients, required ventilation, possible consequences of contact, exposure 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.

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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.