



Amercoat 2200

Water Based Epoxy Sealer

Product Data/ Application Instructions

- **Water based epoxy primer and sealer for concrete substrates**
- **Penetrates and seals concrete and plastered surfaces**
- **Provides an excellent surface for coating systems**
- **Environmentally friendly, contains no solvents**

Typical Uses

As a primer/sealer for concrete substrates in combination with a suitable coating system in chemical plants, oil refineries, the nuclear industry, the food & beverage industry and the pharmaceutical industry.

Outstanding Characteristics

Amercoat 2200 is a two component water based epoxy primer/sealer giving excellent adhesion to concrete substrates for subsequent coating systems. In combination with proper topcoat systems Amercoat 2200 withstands weathering and splash and spillage of salt water and chemicals.

Amercoat 2200 does not contain any solvents and can be used in restricted areas where no solvents are allowed, for example in the food & beverage-, pharmaceutical- and nuclear industries.

Physical Data

Finish	flat
Colour	white, clear
Coverage	7 - 10 m ² /l dependent on condition of concrete surface
Volume solids	46% (ASTM D2697 modified)*
VOC	0
Number of coats	1
Mixing ratio (by volume)	
resin	1 part
cure	2.6 parts
Specific gravity	1.09 kg/l
Flash point	not applicable

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

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Surface Preparation

The surface shall be free of any concrete curing compounds, form release agents, laitence, grease, fat, loose deposits and construction dust. Above mentioned contaminants may be removed by light abrasive blasting, mechanical scraping or chipping.

Application Equipment

Brush, roller or if required standard industrial spray equipment. Power mixer.

Application Data

Application methods brush, roller or spray

Potlife

2 hours at 20°C/68°F

3 hours at 15°C/59°F

4 hours at 10°C/50°F

Environmental Conditions

Air temperature: 10 - 30°C (50-86°F)

Surface temperature: 10 - 30°C (50-86°F)

During application the surfaces temperature of the concrete shall be at least 3°C/5°F above the dew point. 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 shall not be higher than 90%.

Drying Times

dry to touch 4 - 6 hours at 20°C/68°F

dry to topcoat at °C/°F 30/86 20/68 10/50

minimum, hours 4 6 8

maximum, days 7 7 7

Thinner Amercoat 2200 may be thinned with 20% fresh water

Cleaner Water

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Mixing instructions

Resin, cure and the required amount of water have to be mixed with a high speed power mixer until a homogeneous mixture has been obtained. The required amount of water depends on the surface temperature and the condition of the concrete surface. Before application the correct amount of water for prevailing conditions should be determined. The end of the pot life will not be shown by viscosity increase. Material must be used prior to expiration of the potlife.

Shipping Data

Packaging	
resin	1.33 l
cure	3.67 l
Shipping weight	
resin	1.55 kg
cure	3.74 kg
Shelf life	1 year from shipment date when stored indoors in unopened, original containers at 5 to 40°C (41 to 104°F).
Storage conditions	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.

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.