

AMERCOAT® 965

DESCRIPTION

Two-component, acrylic modified cement

PRINCIPAL CHARACTERISTICS

- Excellent for repairing deteriorated concrete
- Can be used as a masonry block filler
- Can be trowelled to a feather edge to re-pitch floors
- 0 VOC, LEED Compliant, HAPs Free
- 2,000 psi compressive strength
- Low odor during application
- Non-flammable

COLOR AND GLOSS LEVEL

- Gray
- Flat

BASIC DATA AT 68°F (20°C)

Data for mixed product	
Number of components	Two
Volume solids	75 ± 5%
VOC (Supplied)	max. 0.0 lb/US gal (approx. 0 g/l)
Recommended dry film thickness	125.0 - 500.0 mils (3125 - 12500 µm) depending on system
Theoretical spreading rate	2 ft ² /US gal for 500.0 mils (0.1 m ² /l for 12500 µm)
Shelf life	Base: at least 12 months when stored cool and dry Hardener: at least 12 months when stored cool and dry

Notes:

- See ADDITIONAL DATA – Overcoating intervals
- See ADDITIONAL DATA – Curing time
- Final volume solids varies depending on mixing ratio. Film shrinkage is minimal

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Concrete

- Surface must be free from grease, salts and any contamination
- Mechanical surface preparation should expose sub-surface voids and provide a surface profile equivalent to 60 grit sandpaper or coarser



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Masonry

- Clean surface in accordance with ASTM D 4261 requirements to remove any surface contaminants and loose particles
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Substrate temperature and application conditions

- Surface temperature during application should be between 35°F (2°C) and 110°F (43°C)
 - Surface temperature during application should be at least 5°F (3°C) above dew point
 - Ambient temperature during application and curing should be between 35°F (2°C) and 110°F (43°C)
 - Relative humidity during application should be above 0% and below 85%
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INSTRUCTIONS FOR USE

Mixing ratio

- Mix with a pneumatic air mixing at moderate speeds to homogenize the container
 - During hot, dry conditions, the concrete may be pre-moistened with water to assist in application of the product directly to the concrete or masonry
 - Prime surface with AMERLOCK Sealer or Amercoat 965 Liquid. Apply Amercoat 965 when AMERLOCK Sealer is still wet or tacky. When using Amercoat 965 liquid to prime, apply the 965 cement within the same day and after the liquid is dry to touch.
 - AMERCOAT 965 is packaged in 2 components which must be mixed together before use. A kit consists of 8 lbs of liquid and 48 lbs of powder. Do not mix more material than can be used within the working time of 30 minutes. If necessary, mix smaller quantities at the ratio of 6 parts powder to 1 part liquid by weight. Material which has begun to set is unsatisfactory and must be discarded
 - Power mixing using a suitable 1/2 inch power drill and mixer is recommended. When mixing more than a unit of material at a time, a 3-6 ft³ revolving drum mixer or mortar mixer is recommended. The material can also be mixed by hand using a mortar box or wheel barrel using a mortar hoe.
 - Shake the 1 gallon polyethylene bottle of liquid to disperse any sediment. Pour the liquid into the mixing vessel. Gradually add powder and mix until the cement is uniformly blended to a workable consistency
 - If the cement is to be applied in thickness greater than 1/4 inch, a stiffer consistency can be achieved by adding additional powder. For application and thickness above 1 inch or for filling deep pitted concrete sections, add gravel to the mix. Add 36 lbs of 1/4 – 3/4 inch clean gravel to each 56 lb unit of material. Immediately after mixing, the AMERCOAT 965 cement is ready to use
 - Spread and trowel to the desired finish using typical concrete finishing tools
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Application

- Area should be sheltered from airborne particulates and pollutants

Material temperature

Material temperature during application should be between 50°F (10°C) and 90°F (32°C)

Cleaning solvent

Tap water



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ADDITIONAL DATA

Overcoating interval for DFT up to 500.0 mils (12700 µm)				
Overcoating with...	Interval	50°F (10°C)	70°F (21°C)	90°F (32°C)
thin film epoxies	Minimum	12 hours	6 hours	4 hours
	Maximum	Unlimited	Unlimited	Unlimited
Amercoat epoxy surfacers	Minimum	6 days	3 days	48 hours
	Maximum	Unlimited	Unlimited	Unlimited

Note: For slabs on grade, ensure the floor has been tested for moisture content and transmission in accordance with the allowable levels for the epoxy coating or surface used

Curing time for DFT up to 500.0 mils (12700 µm)	
Substrate temperature	Light traffic
50°F (10°C)	24 hours
70°F (21°C)	8 hours - 12 hours
90°F (32°C)	6 hours - 8 hours

SAFETY PRECAUTIONS

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets

WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

REFERENCES

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| • CONVERSION TABLES | INFORMATION SHEET | 1410 |
| • EXPLANATION TO PRODUCT DATA SHEETS | INFORMATION SHEET | 1411 |
| • SAFETY INDICATIONS | INFORMATION SHEET | 1430 |
| • SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD - TOXIC HAZARD | INFORMATION SHEET | 1431 |

WARRANTY

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Packaging: liquid, 8 lbs in a 1 gallon polyethylene bottle and powder, 48 lbs in a fiber drum

Product code	Description
AT965-A	Liquid
AT965-P	Powder
AT965-3P	White Powder

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