



**american coating technologies**  
www.amcoating.com

# Product Technical Data

## AM 747 Light Weight Epoxy Mortar Repair System

### Product Description

AM 747 is a three component 100% solids lite weight epoxy mortar for repair of concrete walls and over head concrete repair

### Recommended For

- Recommended to be used on walls and overhead applications up to 4 inches thick with no slump.

### Not Recommended For

- Immersion applications for acids and chemicals.

#### Solids By Weight:

100%

#### Ultimate Elongation:

4.65%

#### Volatile Organic Content:

Nearly zero pounds per gallon

#### Impact Resistance:

Excellent

#### Standard Colors:

Light Gray

#### Abrasion Resistance:

Excellent

#### Recommended Thickness:

1/8" to 4"

#### Heat Deflection Temperature:

70.5 degrees C @ ASTM D648

#### Coverage Per Unit:

One Standard Unit 16 Sq. Ft. @ 1/4"  
and 32 Sq. Ft. @ 1/8"

#### Weathering:

Great

Bulk Unit 32 Square Ft @ 1/4"  
and 64 Square @ 1/8"

#### Dot Classification:

Part A & C "not regulated"  
Part B "CORROSIVE LIQUID N.O.S., 8,  
UN1760, PGIII"

#### Packaging:

1 Unit (2.5 Gal. Vol.)  
Contains A & B & 8 Pounds of Aggregate and  
1 Kg of AM 747P Rust Inhibitor Primer

#### Cubic Inches:

Equals 576 Ci

Bulk Unit (5 Gal. Vol.) Equals 1,152 Ci  
Contains A & B & 16 Pounds of Aggregate and  
2 Kg of AM 747P Rust Inhibitor Primer

#### CURE SCHEDULE:

**Pot life (.45 cu. ft. mix)**  
4 hours @ 700 F

#### Touch Free

12 Hours @ 70 degrees F

#### Mix Ratio:

\*UNIT = .272 Pounds part A to .16 pounds  
part B plus 8# aggregate. Bulk unit is twice  
these amounts

#### Application Temperature:

55-90 degrees Fahrenheit.

#### Adhesion:

1,000 exceeds concrete

#### Primer:

AM 747P Rust Inhibitor Primer

#### Flexural Strength:

8,000 psi @ ASTM D790

#### Topcoat:

None required.

#### Compressive Strength:

8,000 psi @ ASTM D695

#### Tensile Strength:

3,000 psi @ ASTM D638

### Chemical Resistance:

REAGENT	RATING
Xylene	B
1,1,1 trichloroethane	C
Methanol	B
Ethyl alcohol	B
Skydrol	B
10% sodium hydroxide	C
50% sodium hydroxide	C
10% sulfuric acid	B
10% HCl (aq)	C
5% acetic acid	B

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion. NOTE: extensive chemical resistance information is available through your sales representative.

### Limitations:

Color stability may be affected by environmental conditions such as high humidity or chemical exposure. Epoxy products are not UV color stable and may discolor if exposed to certain types of light such as sodium vapor lighting. Colors may vary from batch to batch due to variations in the silica filler. Mortar colors are not from our standard color chart. Substrate temperature must be 50 F above dew point. For chemical exposure areas, we recommend a suitable topcoat to reduce porosity and chemical migration. All new concrete must be cured for at least 30 days prior to application. See reverse side for application instructions.

**WARNING:** Keep out of the reach of children and read the MSDS and warranty and limitations to liability information before using.

See reverse side for application instructions.  
See reverse side for limitations of our liability and warranty.