

ARCTIC FORMULATION EPOXY MORTAR PATCH KIT

PRODUCT DESCRIPTION:

Three component 100% solids epoxy mortar designed for applications where temperatures are as low as minus 10 degrees F. (-10°F)

RECOMMENDED FOR:

Recommended for cold storage areas, freezers or general outdoor patching in the winter.

NOT RECOMMENDED FOR:

Immersion applications for acids and chemicals.

SOLIDS BY WEIGHT:

100%

VOLATILE ORGANIC CONTENT:

zero pounds per gallon

COLORS AVAILABLE:

This product is available as a natural unpigmented product only.

RECOMMENDED THICKNESS:

1/8" to 1/4"

COVERAGE PER KIT:

5.98 sq. ft. @ 1/4" and 11.96 sq. ft. @ 1/8"

PACKAGING

kit

CUBIC FEET

.125 (approx)

*KIT= 2.0# for part A, 0.90# for part B, and 13# aggregate. (Larger size kits are not available because of the short pot life, all weights are approximate)

MIX RATIO:

*UNIT= .21 gallons part A to .10 gallons part B plus 13# aggregate (weight and volumes approximate)

SHELF LIFE:

2 years in unopened containers

ABRASION RESISTANCE:

excellent

VISCOSITY:

Part A= 900-1000 cps, Part B= 200 cps maximum

DOT CLASSIFICATIONS:

Part A&C "not regulated"

Part B "CORROSIVE LIQUID N.O.S., 8, UN1760,PGIII"

FLEXURAL STRENGTH:

15,000 psi @ ASTM D790

COMPRESSIVE STRENGTH:

11,000 psi @ ASTM D695

TENSILE STRENGTH:

8,900 psi @ ASTM D638

ULTIMATE ELONGATION:

3.4%

IMPACT RESISTANCE:

Excellent

HEAT DEFLECTION TEMP.:

56.0 degrees F @ ASTM D648

WEATHERING:

Good (chalks)

CURE SCHEDULE: (70°)

pot life (.125 cu. ft. mix).....2-4 minutes

recoat or topcoat..... 1-2 hours

light foot traffic.....2-4 hours

full cure (heavy traffic).....1-3 days

*traffic serviceable.....12 hours @ 30°F

APPLICATION TEMPERATURE:

-10-40 degrees F

CHEMICAL RESISTANCE:

REAGENT	RATING
xylylene	C
1,1,1trichloroethane	C
MEK	A
methanol	A
ethyl alcohol	C
skydrol	A
10% sodium hydroxide	D
50% sodium hydroxide	D
10% sulfuric acid	C
70% sulfuric acid	A
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.

PRIMER:

None required

TOPCOAT:

None required

LIMITATIONS:

*Color stability may be affected by environmental conditions such as high humidity or chemical exposure.

*Product is not UV color stable and may discolor if exposed to lighting such as sodium vapor lights.

*Colors may vary from batch to batch due to variations in the silica filler.

*Substrates must be dry and free of ice.

*All new concrete must be cured for at least 30 days prior to application.

*See reverse side for application instructions.

*Test data based on neat resin.

*Physical properties are typical values and not specifications.

*See reverse side for limitations of our liability and warranty.

*WARNING! This product has a very short pot life, mix only an amount of material that can be used in the prescribed pot life. Work must be performed in a quick and organized manner.