



IPATOP-COAT

POLYMER MODIFIED CEMENT BASED COATING

For Concrete and Masonry

IPATOP-COAT – Product Data Sheet

Two Component Acrylic Cement Patch Kit

Description:

IPATOP-COAT is a two component cementitious polymer modified coating. Breathable, protective, weatherproof shield for exterior concrete or masonry walls.

Uses:

Brush-on, roll or spray coating for concrete, masonry or block
Provides a uniform decorative finish over mortar repaired surfaces
Renews older masonry or concrete surfaces to restore a bright, highly durable finish
High resistance to deicing salts and certain other chemicals – consult with IPA's Engineering Department regarding specific applications
Use as a protective coating for foot and rubber tire vehicle traffic areas
Coatings for swimming pools, reflecting pools and other submerged areas

Advantages:

- ◆ Provides an economical alternative to epoxy coatings
- ◆ Excellent abrasion resistance
- ◆ Simple application
- ◆ May be applied by brush, roller or spray
- ◆ Excellent resistance to deicing chemicals
- ◆ Coated areas will breathe
- ◆ Excellent adhesion
- ◆ Easy to use kit eliminates use of convenience water
- ◆ Non-flammable components

TECHNICAL DATA

Packaging:

Two-Component Kit

Component A – White liquid polymer in 5 gallon (18.9 liter) plastic pail

Component B – Powder Blend of Portland cement, admixtures, and finely graded aggregates in 43.55 lb. (15.4 kg) bag

Total weight – 70 pounds (24.8 kg)

Yield: Approximately 5 gallons (18.9 Liters)

Shelf Life: Component A – Indefinite when unopened
Component B – One year in unopened bag. Requires dry storage

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IPATOP-COAT Product Data Sheet Page 2 of 2

Color:	Concrete gray, white and buff
Mixing Ratio:	Component A : Component B – 1:1.65 by weight
Application Time:	Approximately one hour after mixing components Temperature in excess of 68°F (22°C) will accelerate the set Temperatures lower than 68°F (22°C) will retard set
Tack Free Time:	Approximately 30 minutes at 75°F (23.9°C)
Recoating Time:	Approximately 2 hours
Coverage:	100 to 200 square feet per gallon (2.4 to 4.9 sq. meters per liter) - will depend upon porosity of the surface. Concrete block – approximately 100 square feet per gallon (2.4 sq. meters per liter) Dense concrete – 200 square feet per gallon (4.9 sq. meters per liter).

Surface Preparation: Surface to be treated must be cleaned of any film, scale, loose material, oils, grease and any other foreign material that will prohibit bond. Surface preparation may be accomplished by accepted water blast, mechanical or chemical methods. Substrate may be saturated or moist but surface dry.

Mixing: Mechanical mixing is required. Shake component A thoroughly and add approximately 1/2 the liquid into a clean mixing container. Mix continuously as the Component B (Powder) is added insuring that all powder is mixed and the solution does not contain any lumps. Add balance of Component A and continue mixing until uniform in consistency (about 3 to 5 minutes for total mixing time). CARE MUST BE TAKEN to insure correct ratio, by weight, **if an entire kit is not mixed at once.**

Application: Substrate may be saturated or moist but surface dry prior to application of **IPATOP-COAT**. Material should be applied with masons brush, roller or spray immediately after mixing. First coat should be worked thoroughly into substrate to insure proper bonding. Second coat should be applied uniformly to provide a decorative finish – after final set of first coat. White as finish coat will provide the most uniform color.

Curing:

Material is self curing under most conditions. However, it must be protected from extreme conditions that will cause rapid drying such as wind, high temperature, or low humidity. **DO NOT APPLY SOLVENT BASED CURING COMPOUNDS.**

Clean-up:

Cleanup must be done immediately due to high bonding characteristics of **IPATOP-COAT**. Clean equipment with water.

Limitations:

Do not install **IPATOP-COAT** unless substrate and air temperature is at least 40°F (4.4°C) and rising for the next 48 hours. Do not apply to a frozen surface. Maximum thickness per coat should not exceed 16 mils wet. Color uniformity is difficult to maintain when substrate suction is uneven. Component A is destroyed if it becomes frozen.

CAUTION – FOR INDUSTRIAL USE ONLY:

Contact with liquid may cause eye irritation. Prolonged skin contact with freshly mixed mortar may cause minor skin irritation. Freshly mixed cement, mortar, grout, or concrete may cause minor skin irritation. Avoid direct contact where possible and wash exposed skin areas promptly with water. If any of the cementitious material get into the eyes, rinse immediately and repeatedly with water. If irritation persists, obtain medical assistance.

WARRANTY

This product is warranted and guaranteed to be of good quality. Manufacturer, as its sole and exclusive liability hereunder, will replace material if proved defective. THIS WARRANTY AND GUARANTEE ARE EXPRESSLY IN LIEU OF ALL OTHERS, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND MAY NOT BE EXTENDED BY REPRESENTATIVES OR ANY PERSONS, WRITTEN SALES INFORMATION, OR DRAWINGS IN ANY MANNER WHATSOEVER.

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