



IPATOP DEEP PATCH

A Polymer Modified Repair Mortar

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– Product Data Sheet

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Description:

IPATOP DEEP PATCH is a two-component cementitious polymer modified repair mortar for horizontal concrete surfaces.

Uses:

- ◆ On all above- and below-grade horizontal concrete surfaces
- ◆ Filling potholes, severely spalled areas and other voids in concrete
- ◆ For use on slabs, ramps, spillways or other concrete systems
- ◆ Structural repairs on parking garages, bridges, tunnels, power plants
- ◆ Rehabilitating or restoring existing concrete structures

Advantages:

- ◆ Economical alternative to epoxy systems
- ◆ Superior physical properties to conventional portland cement mortars
- ◆ Excellent adhesion
- ◆ Low water-cement ratio
- ◆ Eliminates use of convenience water
- ◆ Coefficient of expansion similar to concrete
- ◆ Excellent resistance to de-icing chemicals
- ◆ Excellent workability results in labor savings
- ◆ Repaired areas will breathe
- ◆ Tradesman use conventional practices
- ◆ Will bond to damp surfaces
- ◆ Excellent freeze-thaw resistance
- ◆ Traffic bearing within 24 hours

TECHNICAL DATA

Packaging: Two-component kit. Component A — Liquid polymer in 1 gallon (3.8 L) plastic jug; weight 8.4 lb. (3.8 kg). Component B — Powder blend of portland cement, admixtures and finely graded aggregates in 50 lb. (22.7 kg) bag. Total weight — 58.4 lb. (26.5 kg).

Yield: Approximately 0.5 cubic foot (.01 cubic meter)

Shelf Life: Component A — One year when unopened. DO NOT FREEZE.
Component B — One year in unopened bag. Requires dry storage

Mixing ratio: Component A : Component B — 1 : 5.9 by weight

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IPATOP DEEP PATCH Product Data Sheet Page 2 of 2

TECHNICAL DATA (CONTINUED)

Application: Material must be placed within 15 minutes of mixing.

Initial Set Time: Initial set will occur within approximately two hours and thirty minutes after material has been placed. Temperatures in excess of 68°F (20°C) will accelerate initial set. Temperatures lower than 68°F (20°C) will retard initial set.

Installation:

Surface preparation: Surface to be treated must be cleaned of any film, scale, loose material, oils, grease and other foreign material that will prohibit bond. Surface preparation may be accomplished by accepted water-blast procedure, mechanical or chemical methods. **IPATOP DEEP PATCH** should not be applied in thickness less than 1" (25 mm). Surface must be damp prior to application of **IPATOP DEEP PATCH**.

Mixing: May be done manually or mechanically (wheelbarrow or mortar mixer). Shake Component A thoroughly and add to mixing container. Mix continuously as the Component B is added. Continue mixing until uniform consistency is achieved (about 3 minutes). Mix full kits. Twenty pounds (9.1 kg) of washed pea gravel may be added to each kit.

Placing: Surface should be damp with water when **IPATOP DEEP PATCH** slurry is placed. Slurry should be worked thoroughly into substrate to insure proper bond immediately prior to placement of **IPATOP DEEP PATCH**. Material should be placed and screeded immediately after mixing. Expansion, control or construction joints must be placed directly over existing ones. Cracks created by movement of the structure should be treated in a like manner, since they will reflect through the **IPATOP DEEP PATCH** repair mortar. Wood, sponge, broom or steel trowel may be used, depending on desired finish. In cases of unconsolidated or extremely porous surfaces, **DURIPAL** may be used as a surface conditioner.

Curing:

On areas in excess of 2 square feet (1,858 cm²), water mist or wet burlap will provide the best curing conditions — three day minimum.

Clean-up:

Cleanup must be done immediately due to the high bonding characteristics of **IPATOP DEEP PATCH**. Tools and mixing equipment should be thoroughly cleaned with water.

Limitations:

Do not place unless surface and ambient temperature is at least 40°F (4.4°C) and rising. Component A is destroyed if frozen. Minimum application thickness is 1 inch (2.54 cm). Existing cracks that move will reflect through the **IPATOP DEEP PATCH**. On all applications, care must be exercised to insure that proper concrete practices are used in preparation, mixing, placing and curing. Setting times of polymer modified cementitious materials are accelerated above 68°F (20°C).

CAUTION – FOR INDUSTRIAL USE ONLY:

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 gets 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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