



IPATOP LEVELALL®

A Self-Leveling Topping, Underlayment and Repair Mortar

IPATOP LEVELALL® – Product Data Sheet

Self-Leveling Topping, Underlayment and Repair Mortar for Concrete Surfaces

Description:

IPATOP LEVELALL® is a single component cementitious polymer modified floor topping. LEVELALL may be used as a wear surface or underlayment. By lowering the water to LEVELALL powder ratio, a versatile high performance repair mortar may be achieved for sloped surfaces or incidental patching.

Uses:

As a **Wear Surface** for:

- | | |
|---------------------|-----------|
| Industrial Flooring | Prisons |
| Warehouses | Stadiums |
| Processing Plants | Hospitals |
| Shopping Centers | Schools |
| Walkways | |

As an **Underlayment** for:

- | | |
|---------------------|---------------|
| Carpets | Thin Set Tile |
| Marble | Wet Bed Tile |
| Wood Floor Covering | Ceramic Tile |

As a **Topping** over:

- | | |
|----------|-------------------------------|
| Concrete | Wood (Reinforcement Required) |
| Steel | Tile |
| Terrazzo | |

Advantages:

- | | |
|---------------------|---|
| High Strength | Rapid Curing |
| Truly Self Leveling | Foot Traffic after 4 hours |
| Abrasion Resistant | Vehicular Traffic – Next Day |
| Impact Resistant | Compatible with Most Floor Covering Adhesives |
| Water Based Primer | Made in the USA |

TECHNICAL DATA

Physical Properties:

Test

- Compressive Strength
- Shrinkage
- Abrasion Resistance
- Impact Resistance

Method and Results

- Both LEVELALL and repair mortar exceed 5,000 psi (34.5 MPa) in 28 days.
- Minimal
- Excellent
- Excellent

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Surface Preparation:

Surface to be repaired 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. Flush thoroughly with water. Slick surfaces such as ceramic tile, hard troweled concrete or terrazzo should be sanded, shot-blasted, scarified or otherwise roughened to improve mechanical bonding.

LEVELALL will chemically combine with primer in bonding. Substrate must not be weak or hollow. Wooden floors must be:

1. Thoroughly cleaned
2. Patched with **LEVELALL Repair Mortar** to prevent underlayment from leaking through the floor.
3. Reinforced with securely nailed expanded wire lath.

Surface Priming:

Mix **LEVELALL Primer** according to instructions and apply with a soft broom, roller or spray equipment. Allow primer to dry. Recoat if necessary. Porous surfaces may require a second coat. See **Primer** data sheet for additional information.

Mixing Instructions:

For **LEVELALL Repair Mortar**: Use approximately 4 quarts (3.8 L) of water to achieve a plastic consistency. Complete incidental patching where necessary.

For **LEVELALL Topping or Underlayment**: Place the mixing water (6 quarts (5.7 L) per bag) in the mixing vessel. An empty 5 gallon (18.9 L) pail or mortar mixer is appropriate. Add the **LEVELALL** to the water as the mixture is blended with a drill motor and paddle or mortar mixer.

Placing Topping or Underlayment:

Insure that sufficient personnel and equipment are available to allow continuous placement of the material to avoid ridges between batches. Place in strips across the narrow dimension of the area. Maximum area should not exceed approximately 15' x 30' (4.6 m x 9.1 m). Use wooden strips or equivalent to form the lanes. When pumping **LEVELALL** consult IPA Systems, Inc. for suitable grout pump recommendations.

Curing:

Material is self curing under most conditions. However, it must be protected from conditions that will cause rapid drying such as wind, high temperature, low humidity or direct sunlight.

Clean-up:

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

Packaging and Yield:

LEVELALL is packaged in 50 lb. (22.7 kg) bags. One 50 lb. (22.7 kg) bag of **LEVELALL** will cover an area of 30 square feet (2.8 m²) at 1/4 inch (0.6 cm) thick.

Limitations:

Do not install **LEVELALL** 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. DO NOT USE SOLVENT BASED CURING COMPOUNDS.

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.

While the manufacturer recommends uses for the product based on tests believed reliable, no warranties, express or implied, or guarantee can be given as to particular methods of use or application, nor can performance be warranted, expressly or impliedly, or guaranteed under special conditions. Distributors, salespersons or company representatives are NOT authorized to extend or vary any warranties or guarantees beyond those outlined herein nor may the manufacturer's or seller's limitation of liability be waived or altered in any manner whatsoever.