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## TECHNICAL DATA SHEET- DEEP LEVEL

### DESCRIPTION AND USE

**DEEP LEVEL** is a two component, acrylic polymer modified, cement based patching material for horizontal concrete substrates. The 50 lb. bag of dry mortar component is a blend of Portland cement, graded silica sands and water reducing agents. When mixed with **ACRYLIC ADDITIVE**, the resulting **DEEP LEVEL** mortar produces an extremely strong, durable, crack resistant patching material with outstanding bond strengths.

**DEEP LEVEL** is used to repair spalls, joint shoulders as well as fill wide cracks and low spots on horizontal concrete slabs. **DEEP LEVEL** may also be used to resurface horizontal concrete, above or below grade or serve as a leveling underlayment for XCEL Surfaces texture coating systems. **DEEP LEVEL** is suitable for both interior and exterior service.

### ADVANTAGE

- Produces an extremely tough, high strength repair material.
- Can be used on exterior and interior concrete surfaces.
- Waterproof, but not a vapor barrier.
- Thermally compatible with concrete.

### SPECIFICATIOIS

The data presented is typical for **DEEP LEVEL** mixed and placed at 77 F:

Compressive Strength: (ASTM C-109):  
3050 PSI @ 1 day  
5270 PSI @ 3 days  
6225 PSI @ 7 days

Flexural Strength: (ASTM C-348):  
1275 PSI @ 7 days

Tensile Strength: (ASTM C-190):  
618 PSI @ 7 days

Shear Bond Adhesion:  
585 PSI @ 7 days

### APPLICATION

Concrete surface must be completely dry and free of all grease, oil, dirt, dust, curing compounds, sealers, coatings, efflorescence, old adhesive residues or any other foreign matter. New concrete should be cured for at least 7 days. Mechanically abrade (scarify, grind, shot blast, etc.) the substrate to obtain a fractured aggregate surface condition with a minimum profile of 1/16 inch.

Wash debris from work surfaces with plenty of clean water. Areas to be patched should be in saturated surface dry condition with no standing water. Add the **DEEP LEVEL** powder to the **ACRYLIC ADDITIVE** and mix at a low speed with standard drill and mixer paddle. Approximately 1 gallon of **ACRYLIC ADDITIVE** will be needed for every 50 lbs **DEEP LEVEL** powder. Mix for 2 minutes and adjust mix with **ACRYLIC ADDITIVE** only, **DO NOT USE WATER**. Mix to a smooth, workable consistency. Allow the mix to slake for 2 minutes and then re-mix briefly. Do not mix more material than can be used in 30 minutes. Do not re-temper with additional liquid after the 30 minute time period. Prepared surface should be primed with a thin coat of **ACRYLIC ADDITIVE** with stiff brush, broom or sponge float. Apply **DEEP LEVEL** mortar over the work area while the primer is still tacky. All placing, troweling and finishing should be done quickly. Do not over trowel as the material may tear.

Cure for 24 hours before opening the work area to foot traffic. Clean and wash tools with water immediately after use.

### PACKAGING

**DEEP LEVEL:** 50 lb bag  
**ACRYLIC ADDITIVE:** 1- 5 Gallon Pails

### COVERAGE

50 lb. bag will yield approximately 20-25 square feet at ¼ inch thick.

### HANDLING & STORAGE

Read Material Safety Data Sheets before using. Dispose of unused material in accordance with Federal, State and Local regulations. Storage temperature: (45°-85° F). Do not let Product Freeze.

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