



# LEVEL-PERFECT

## CEMENTITIOUS SELF LEVELLING

It is a premium fast setting, cement-based leveler for large areas. Pour or pump over non-level substrates from featheredge up to 1-1/2" thick to create a smooth, level surface. Apply up to 5" with supplemental aggregate. Allows foot traffic within 2 hours. Superior compressive strengths for residential and commercial applications.

### KEY BENEFITS AND FEATURES

- Single coat application
- For featheredge up to 11.2 inch (37 mm) depth, up to 5" (12.5 cm) with proper aggregate
- Fast setting—dries to walkable surface in 11.2 to 21.2 hours, with flooring installation in 12 to 16 hours
- Non-shrinking
- High compressive strengths
- Pour or pump application
- Fast and easy clean up
- Superior mixing and flowing characteristics

### USES

LEVEL-PERFECT Self Leveling Underlayment is a cement-based, pourable, pumpable and free flowing underlayment. It is designed for smoothing and leveling most subfloors and is particularly well-suited for large areas. The resulting smooth finish is ideal for the installation of all types of floor covering, including ceramic or natural stone tile, carpet, resilient, laminate flooring and wood flooring. For interior use only.

Note: All surfaces must be primed with HIGH BOND before application of LP

### SUITABLE SUBSTRATES AND PREPARATON:

*Concrete and Cementitious Surfaces, Epoxy Terrazzo, Existing Ceramic Tile and Vinyl Composition Tile (VCT)*—Surfaces to be leveled shall be structurally sound, dry and free from oil, grease, dust, paint, concrete sealers, floor finishes or curing compounds. Patch and fill holes and voids in concrete with a suitable compound. Surface protrusions shall be removed by sanding, scraping or chipping. Remove all dust by vacuuming. (While sanding or scarifing surfaces that may contain silica sand, use an approved dust mask. Never sand surfaces containing asbestos.) DO NOT cover existing building expansion or control joints. Provide control joints where specified. After preparation, all surfaces must be primed.. Allow primer to dry to a clear film before installation of LP.

### COVERAGE:

7.5 SQ.M /25KG BAG @2 mm<sup>2</sup>

<b>1/8" (3 mm)</b>	<b>1/4" (6 mm)</b>	<b>1/2" (12 mm)</b>	<b>1" (24 mm)</b>	<b>1 1/2" (37 mm)</b>
50-56 sq.ft	25-28 sq.ft.	12-14 sq.ft.	6-7 sq. ft.	4-5 sq. ft.
(4.6-5.2 m <sup>2</sup> )	(2.3-2.6 m <sup>2</sup> )	(1.1-1.3 m <sup>2</sup> )	(.55-.65 m <sup>2</sup> )	(.37-.46 m <sup>2</sup> )

Coverages shown are approximate. Actual coverages may vary according to substrate conditions and thickness of applications



## TECHNICAL DATA

### INSTALLATION INSTRUCTIONS:

**Mixing:** For best results, room and material should be maintained at 50°-80°F (10-27°C) for 24 hours before, during and after application. In a clean container, add 25kg mortar to 6 quarts (8 L) clean, cool water.

Mix thoroughly for approximately 2 minutes. Scrape side of container and remix to a smooth, lump-free consistency. Do not over-water or over-mix as this could affect product performance. Avoid using high speed mixing, not to exceed 300 rpm to prevent entraining air. **Do not mix self leveling underlayment with latex additives.** Use full bags only.

**Application:** Pour or pump LP onto the primed floor surface immediately after mixing. Then spread into place with a long-handled, gauged spreader. Use enough material to cover all high points. LP seeks its own level during the first 10 minutes, with no troweling required. To achieve featheredging, use a finishing trowel. Average working (flow) time is 10 minutes. High temperatures will shorten the working time. LP can be applied up to 11.2" (37 mm) thick in a single application and up to 5" (12.5 cm) with the addition of proper aggregate. For areas with a thickness greater than 11.2" (37 mm), mix LP with washed, wellgraded pea gravel 1.8" to 1.4" (3-6 mm) or larger as follows. First, mix LP with water, then add 1.3 to 1 part volume of aggregate and mix until the aggregate is completely coated. If aggregate is wet, reduce the amount of water to avoid overwatering. Do not use sand. The addition of aggregate will reduce the workability of the product and may make it necessary to install an additional finish layer. If a finish layer is required, allow the first layer to dry 12 to 16 hours. Prime the new surface with TEC Primer (mixed 1:1), allow it to dry thoroughly and install finish layer.

**Note:** For larger applications, to maintain a wet edge throughout the product's 10 minute flow time, mix and pour out in multiple bag batches. Such jobs typically require two or more workers for separate mixing and spreading/smoothing operations

**Clean-up:** Clean tools, hands and equipment, while material is still fresh, with warm soapy water.

**Curing/protection:** LP dries to a walkable hardness in 11.2 to 21.2 hours and allows installation of most floor coverings after 12 to 16 hours. Because these are cement-based products, all general rules of concrete work should be observed in order to achieve maximum results. When hot, dry, or windy weather conditions prevail, the installation should be protected to avoid rapid water loss

### TECHNICAL DATA

In Use Performance	Test Standard	Typical Results
7 Day Compressive Strength	ASTM C-109	5000-6000 psi (34.5-41.4 MPa) <b>28 Day</b>
Compressive Strength	ASTM C-109	6000-7000 psi (41.4-48.3 MPa) <b>28 Day</b>
Tensile Strength	ASTM C-190	650-750 psi (4.5-5.2 MPa) <b>28 Day</b>
Flexural Strength	ASTM C-580	1300-1800 psi (9.0-12.4 MPa)
<b>28 Day Bond Strength</b>		
Underlayment/Concrete	ASTM D-3931	350-400 psi (2.4-2.8 MPa)
<b>Initial Set</b>	ASTM C-191	45 minutes to 1½ hours
<b>Final set</b> [at 70°F (21°C)]	ASTM C-191	1½ to 2½ hours
<b>Foot Traffic Rating</b> (ASTM C627)		Residential to Extra Heavy Commercial
<b>Physical State</b>		Dry powder
<b>Pot Life</b> [at 70°F (21°C)]		10 minutes
<b>Flooring Installation Time</b> [at 70°F (21°C)]		12-16 hours
<b>Color</b>		Gray

### Packaging:

Available in 25 kg bgs



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