

# LEVEL-X52

Self-Leveling, Self-Smoothing Cement-Based Topping

## DESCRIPTION:

**LEVEL-X52** is a one-part, cement-based, polymer-modified floor topping and leveling compounds designed to provide smooth and level floors with a minimum of time and labor.

**LEVEL-X52** can be used to prepare a wide variety of sub-floors for installation of tile, carpet, resilient flooring, wood flooring and many types of surface coatings. It may also be left exposed as a final finish in light industrial or commercial environments and in exterior exposures and wet environments.

## USES:

- Leveling uneven concrete
- Resurfacing frozen, rained-on or scaled concrete
- Correcting camber
- Filling depressions, sags or “birdbaths”
- Topping and leveling precast planks or tees
- Smoothing rough concrete

## FEATURES:

**Bonding:** Polymer modified formula develops high adhesive strength on properly prepared sub-flooring.

**Ease of Application:** Requires no special skills, tools or additives. **LEVEL-X 52** is simply mixed with water using a drill or other mechanical mixer, poured, spread and left to harden. May be installed in any thickness in one lift. Readily pumpable using any standard grout pump for



large installations, without separation, settling in lines or “bleeding”.

**Compatibility:** May be used over concrete, wood, steel or polystyrene foam. Readily accepts many types of coatings, stains, adhesives and mastics typically used in setting tile and installing carpeting or other types of flooring.

**Non-Dusting and Water Resistant:** Does not tend to “dust” through carpeting or crumble upon contact with moisture, the way gypsum based self-leveling compositions tend to do. Keeps from soiling carpets, lifting tiles and blistering coatings and coverings.

**High Strength:** Cement-based composition builds strength quickly, matching high quality concrete.

**Compressive Strength: ASTM C109/C109M**

Time (days)	Strength (psi)
1	4000
3	4700
7	5800

**Flow Time: ASTM C939**

20 minutes

**Water Ratio:**

1 gallon water to 40 lbs of *LEVEL-X 52*

**Coverage Rate:**

20 square feet at ¼” thickness per 40 lbs

**Safety:** Contains no toxic resins, solvents or diluents. Odorless, non-flammable, non-corrosive.

### **APPLICATION:**

**1. Surface Preparation:** Remove all grease, oil, dirt, laitance, wax, curing compounds, unsound concrete or other materials which may interfere with adhesion. Frozen or other substandard concrete surfaces must be cut back to the depth required to reach sound substrate for bonding.

**2. Priming:** Non-porous floors may require the use of *Restoration Latex RL-1* as an adhesion promoting primer. Highly porous floors may require the use of two applications of *Restoration Latex RL-1* as a sealer/primer. Steel decking should be free of rust and scale and should be primed with *SYSTEM 49 CPBA*.

**NOTE:** Test areas should always be installed prior to large scale application to assure compatibility and performance under actual use conditions.

### **3. Installation:**

**A. Mixing:** To fully develop self-leveling properties without the use of excessive amounts of water, product should be mechanically mixed using mortar mixer, grout mixer or slow speed drill with mixing paddle (250 rpm). Avoid whipping excessive air into mixes. Add *LEVEL-X 52* powder to water and mix for a minimum of 4 minutes to achieve a homogeneous, flowable, fine batter consistency. If excess liquid readily “bleeds” onto surface upon standing, reduce water ratio. Adjust consistency as required by adding more powder or water. Be consistent from batch to batch once optimum ratio for job conditions has been determined. Mix only as much material as can be applied in 5-10 minutes.

**B. PLACEMENT:** Screening may be required to remove lumps of unmixed material before placement. Pour or pump *LEVEL-X 52* in place and spread with screed, float, squeegee or broom. No troweling is required, unless “feather-edging” is desired at the perimeter of the pour. “Feather-edging” is only acceptable where foot or vehicle traffic is limited. Sub-floor high spots should receive a minimum 1/8” cover. Thicker applications of 1/4” to 1/2” may be required where heavy vehicle traffic is expected or over thresholds. Expansion joint layout of the existing floor should be followed. Do not re-temper material which has begun to set. Discard any material not used within 20 minutes of mixing. For deep sections (1" or more), the addition of up to 50% 1/4” to 1/2” gravel is acceptable, although this will affect workability and necessitate installation of a finishing coat of neat *LEVEL-X 52*.

**4. Curing:** Although *LEVEL-X52* is a cement-based product, it does not require extended moist cure, and most installations will require no special curing procedures. When working in hot, dry and/or windy conditions, some misting of the surface during the first 2-8 hours after pouring may be required to avoid too-rapid drying. After this initial period, the product should be allowed to dry cure.

**LEVEL-X52** must be kept from freezing for 12 hours after installation. Do not apply at temperatures below 40°F or when temperatures will drop below 40°F within 8 hours of application.

**5. Storage and Handling:** Store powder in dry area, off the floor. Contains cement and free silica. Avoid skin and eye contact and avoid breathing dust. Use NIOSH-approved toxic dust filter for silica. Observe all safety and handling guidelines as detailed in the Material Safety Data Sheet supplied with this product. Properly stored, closed bags have a shelf life of 12 months from date of production. Keep tools clean and wet during use, and clean up immediately after use. Keep packages closed when not in use. For further information or assistance, contact Edison Coatings.

**FOR COMMERCIAL AND INDUSTRIAL USE ONLY**



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