



# LEVELDECK-R

## Polymer Modified Concrete Resurfacer

### Description

LEVELDECK-R is a high performance, quick turnaround, concrete resurfacer that when mixed only with water “makes old concrete new again.” LEVELDECK-R applications are a cost effective durable answer to expensive concrete replacement. LEVELDECK-R corrects both horizontal and vertical surfaces that are worn, spalled and distressed. The result is a renewed surface accepting foot traffic in as little as 2 hours and rubber tire traffic within 8 hours.

### Features and Benefits

- Fast self cure with rapid compressive strength build
- Single component – Just add water and mix
- No primer needed
- Excellent bond to old concrete-down to feather edge
- Can be hand or mechanically mixed and poured
- Less expensive alternative to concrete replacement
- Provides protection from alkali decomposition

### Areas of Application

LEVELDECK-R can be used on indoor and outdoor projects such as:

- Walkways
- Patios
- Concrete stairs
- Driveways
- Garage floors
- Pool decks

### Product Properties

Set Time - ASTM C 191:

30 minutes	Working Time
60 minutes	Initial Set
2 hours	Final Set

Compressive Strength - ASTM C 109 Air Cured:

2400 psi	1 day
3600 psi	7 day
5000 psi	28 day

Flexural Strength- ASTM C 348 :

>1000 psi	28 day
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Shelf Life:

12 months, when stored in dry, cool environments in unopened packages

### Surface Preparation

Surface must be solid, completely clean, free of oil, wax, grease, sealers, curing compounds, asphalt, paint, dirt, loose surface material and any contaminate that will act as a bond breaker. Weak concrete surfaces must be cleaned down to solid sound concrete by mechanical means such as scarifying or high pressure washing. Acid etching or chemical cleaning is not acceptable. The area should be saturated surface dry (SSD) with no standing water, prior to application.

### Installation

LEVELDECK-R should only be applied to a properly prepared “SSD” substrate. Remove any material that interferes with bond including dust and dirt by brooming and vacuuming, including expansion joints. Expansion joints likewise should be marked to prevent being filled by LEVELDECK-R.

Pour the mixed LEVELDECK-R onto the prepared substrate. Then spread with a squeegee, or flat trowel using enough pressure to assure good contact with the entire surface then broom finish. Work in areas small enough for easy access for broom finishing without having to walk on the fresh LEVELDECK-R. A broom finish needs to be applied within 10-15 minutes of application while the product is still fresh. Pour subsequent applications while the previous application is still wet. On vertical installations, such as stairs, trowel LEVELDECK-R directly onto the properly prepared distressed area and finish as desired.

LEVELDECK-R can be applied at a thickness of up to 1/2” and accept foot traffic after 2 hours, and rubber wheel traffic after 8 hours at 70°F

During application ambient and substrate temperature should be a minimum of 50°F. LEVELDECK-R is self curing, however, do not allow the product to freeze or be exposed to rain if such should occur within 24 hours of placement. LEVELDECK-R is a cement based product therefore temperature, wind and substrate conditions will affect performance. To avoid dusting and staining, LEVELDECK-R should be sealed using a water based, breathable concrete sealer.

LEVELDECK-R dries to a light gray color; however cements will vary in color, thus affecting the color of concrete. Additionally age and job site conditions will play a role therefore LEVELDECK-R may not match the surrounding distressed concrete. Should this occur consult with BESSERN Building Products, LLC. for a procedure to reduce discoloration. A test application is recommended to determine color suitability.

### Product Mixing

For each 50lb bag of LEVELDECK-R add 4.0 quarts to a maximum 5.5 quarts of clean potable water into a mixing drum. Then add the LEVELDECK-R bags, while mixing at full speed with a paddle mixer attached to a heavy duty 1/2” drill. Mix completely for a minimum of 2-3 minutes until lump free, adding no additional water. Do not retemper.

## Coverage Rates

LEVELDECK-R should be installed from ½ inch to feather edge in thickness.

Each 50 Pound bag will cover:

<u>Spread Rate</u>	<u>Approx. Coverage</u>
½ inch	50 ft <sup>2</sup>
¼ inch	25 ft <sup>2</sup>
⅛ inch	12 ft <sup>2</sup>

## Clean Up

Use water to clean all tools and mixing equipment immediately after use. All cured and uncured material should be removed to avoid getting hardened material in subsequent batches.

## Safety Precautions

Consult the LEVELDECK-R material safety data sheet (MSDS) for more complete information on product health, safety, and handling.

Avoid skin and eye contact.

Eye Contact: Flush immediately with water and consult a physician. Do not rub eyes.

Skin Contact: Wash immediately with soap and water.

Contains Portland cement and silica sand, avoid contact with eyes or prolonged exposure to skin. Minimize exposure and avoid breathing dust. The use of safety goggles and gloves is recommended.

## Warranties

*BESSERN* warrants that its product shall be in accordance with the specifications published in the current product data sheet. *BESSERN* will, in the event any of its products fail to meet their published specifications, replace those products proved to be defective.

*BESSERN* shall not be responsible for any incidental or consequential damages due to the breach of its warranties. Notwithstanding the foregoing, *BESSERN's* sole liability hereunder shall not exceed the cost of the defective product originally purchased.

EXCEPT AS SET FORTH ABOVE, *BESSERN* MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED AND MAKES NO WARRANTY AS TO THE MERCHANTABILITY OR FITNESS OF THE PRODUCT FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

The user must determine if the product is suited for the intended use and the user must bear the risks and liabilities associated with it.



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**BESSERN Building Products**  
1400 North Providence Road, Media PA 19063  
Tel: 484-234-5035 • Fax: 484-234-5037