

1. PRODUCT NAME

ProSpec® Concrete Resurfacer

2. MANUFACTURER

Bonsal American
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3. PRODUCT DESCRIPTION

ProSpec Concrete Resurfacer is a polymer-modified, cement-based product used for resurfacing old concrete to make it look new again.

Features and Benefits

- Excellent bond to old concrete, down to featheredge
- Hardens quickly
- Less expensive alternative to concrete replacement
- Self curing, no additional curing compounds needed
- Interior/exterior
- Contains corrosion inhibitor
- Can be pigmented to suit job site requirements
- High flexural and compressive strength
- No primer needed
- Fast drying, walkable in 2 hours
- Durable, freeze thaw resistant
- Apply using a steel trowel, squeegee, masonry brush for curbs or steps and broom finished

Uses

- Commercial and residential applications
- Walkways
- Concrete stairs
- Garage floors
- Pool decks
- Patios
- Driveways

Safety

READ THE SAFETY DATA SHEET (SDS) BEFORE USING THIS PRODUCT. SDS information is available on our website www.prospec.com or contact CHEMTREC (24 hours availability) 800-424-9300 for international inquiries +011-703-527-3887, or contact Bonsal American Technical Services at 800-334-0784 (8:00 AM to 5:00 PM Eastern US Time).

4. TECHNICAL DATA

Working Time	20 - 30 minutes
Set Time ASTM C 191	
Final set	90 - 120 minutes
Compressive Strength ASTM C 109 (Air Cured)	
1 day	> 2,400 psi (16.5 MPa)
28 days	> 5,000 psi (34.5 MPa)

Note: Test results obtained under controlled laboratory conditions at 73°F (22.7°C) and 50% relative humidity unless otherwise specified. Tested using 4 qts (3.8 L) water per 50 lb (22.7 kg) powder. Reasonable variations can be expected due to atmospheric and job site conditions.

LEED Eligibility¹

- Regional Materials (MR-c5)
- Low-Emitting Materials (IEQ-c4.2)

Product Enhancement



Rapid Cure Technology (RCT®) - Improves the strength, controls shrinkage and prevents efflorescence of our products without sacrificing workability or working time.



Expansion Stabilization Technology (EST™) - Special additive designed to reduce the potential for cracking and shrinkage.

Packaging

Gray: 50 lb (22.7 kg) bag - Product #65510461

Shelf Life

Six months from the date of manufacture when stored in the original, unopened container, away from moisture, under cool, dry conditions and out of direct sunlight.

5. INSTALLATION Preparation

- Surface must be solid, completely clean, free of oil, wax, grease, sealers, curing compounds, asphalt, paint, dirt, loose surface material and any contaminant 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.

Preparation (cont.)

Crack Repair:

- Expansion joints should be reflected through the Concrete Resurfacer. Larger cracks must be repaired with a cement-based patching compound such as ProSpec Vinyl Concrete Patch or Premium Patch 200 prior to applying Concrete Resurfacer.
- Repaired areas must be set firmly prior to applying Concrete Resurfacer. Any non-moving cracks should be "V" saw cut to a solid core and be filled with an acrylic caulk.
- Crack repairs should be allowed to cure and set completely (approximately 60 minutes at 70°F (21°C)) prior to covering.
- When Concrete Resurfacer is used as a veneer over cracked concrete, it is possible that existing cracks, particularly those that move even when repaired, may mirror through the thin layer of Concrete Resurfacer.
- All materials should be stored at 40°F (4°C) to 80°F (27°C) 24 hours prior to installation.

Note: It is the responsibility of the installer/applicator to ensure the suitability of the product for its intended use.

Job Mockups

Bonsal American, Inc. requires that when its ProSpec products are used in any application or as part of any system that includes other manufacturers' products, the contractor and/or design professional shall test all the system components collectively for compatibility, performance and long-term intended use in accordance with pertinent and accepted industry standards prior to any construction. Written documentation of the tests performed shall be satisfactory to the design professional and contractor. Test results must include the means and methods of application, products used, project-specific conditions being addressed, and standardized tests performed for each proposed system or variation.

Mixing

- For each 50 lb (22.7 kg) bag of Concrete Resurfacer add 4 qts (3.7 L) to 5 1/2 qts (5.2 L) of clean, potable water into a mixing drum. Then add the Concrete Resurfacer powder, 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.

Application

Apply when air or substrate temperature is between 50°F (10°C) and 100°F (38°C). For applications outside this range of temperatures, contact ProSpec Technical Services.

- Concrete Resurfacer should only be applied to a properly prepared substrate. Remove any material that interferes with bond including dust and dirt by brooming and vacuuming.
- Pour the mixed Concrete Resurfacer onto the substrate. Then spread with a squeegee, or flat trowel using enough pressure to assure good contact with the entire surface then broom finish.
- Expansion joints should be marked to prevent being filled with Concrete Resurfacer.

Application (cont.)

- Work in areas small enough for easy access for broom finishing without having to walk on the fresh Concrete Resurfacer. 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 Concrete Resurfacer directly onto the properly prepared distressed area and finish as desired, less water may be required.
- Concrete Resurfacer 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 (21°C).
- Not intended to match the color of the concrete being repaired.

Curing and Sealing

- Curing application ambient and substrate temperature should be a minimum of 50°F (10°C). Concrete Resurfacer is self-curing; however, do not allow the product to freeze or be exposed to rain within 24 hours of placement.
- Concrete Resurfacer is a cement-based product therefore temperature, wind and substrate conditions will affect performance. To avoid dusting and staining, Concrete Resurfacer should be sealed using a water-based, breathable concrete sealer.
- Concrete Resurfacer 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 Concrete Resurfacer may not match the surrounding distressed concrete. A test application is recommended to determine color suitability.

Cleaning

Use water to clean all tools immediately after use.

Limitations

- Do not retemper.
- Do not use in heavy industrial applications such as steel wheeled traffic, loading docks or heavy manufacturing and heavy truck areas.
- Do not overwater or mix with additives.
- Do not use in permanently submerged areas, such as within swimming pools, fountains, etc.

Coverage

50 lb (22.7 kg) bag covers approximately 100 ft² (9 m²) at 1/16" (2 mm) or 50 ft² (5 m²) at 1/8" (3 mm).

6. TECHNICAL SERVICES

Technical assistance:

Information is available by calling ProSpec Technical Services Hotline (Hours - 8:00 AM to 5:00 PM EST):

Toll Free: 1.800.334.0784

Fax: 1.704.945.0309

Technical and safety literature:

To acquire technical and safety literature, please visit our website at **www.prospec.com**.

¹ ProSpec products can contribute to LEED credits within the Material Resource, (Recycled Content & Regional Materials) and Indoor Environmental Quality (Low Emitting Materials).

DANGER

Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May cause cancer. May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.

Do not eat, drink or smoke when using this product. Wash skin thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust. If swallowed: Immediately call a poison center/doctor. Rinse mouth. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell. Store locked up. Dispose of contents and container in accordance with all local, regional, national and international regulations.

This product contains Crystalline Silica, Quartz and may also contain trace amounts of other chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

41 % of the mixture consists of ingredient(s) of unknown acute toxicity/

ENVIRONMENTAL ADVISORY

Uncured or crushed cured cement is an environmental hazard, which may adversely affect fish and wildlife. Dispose of construction debris containing cement, including empty bags, at a permitted municipal disposal firm. Do not use crushed concrete as a fill near an aquatic habitat.

Bonsal American, Inc. (Bonsal) warrants that this product is free from defects in material and workmanship, and will perform per the Bonsal American® product literature in effect at the time of purchase. This warranty is for one (1) year from the date of purchase. Any implied warranty of merchantability or fitness for a particular purpose is limited to the duration of this express warranty. This warranty applies only if the product is used, in strict accord with Bonsal American published instructions. The sole and exclusive remedy under this warranty is replacement of the defective product or refund of the purchase price, at Bonsal's option. CONSEQUENTIAL, SPECIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY. All claims under this warranty must be submitted to Bonsal by calling (800) 334-0784. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

PROSPEC
Floor Preparation • Concrete Repair • Tile Setting



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