

1. PRODUCT NAME

ProSpec® Concrete Resurfacer

2. MANUFACTURER

TEC Specialty Products LLC
1105 South Frontenac Street
Aurora, IL 60504-6451 U.S.A.
1-800-832-9002 Customer Service
1-800-832-9023 Technical Support
prospec.com

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 & 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 Sheets are available on our website prospec.com or contact
Medical Emergency Phone Number (24 Hours): 1-888-853-1758,
Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300
or contact ProSpec® Technical Services at 800-832-9023
(7:00AM to 5:00PM M-F, Central US Time).

CAUTIONS

Read complete cautionary information printed on product container prior to use. For medical emergency information, call 1-888-853-1758. This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered ProSpec® brand product(s) under normal environmental and working conditions. Because each project is different, TEC Specialty Products LLC cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

LEED® Eligibility¹

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

PRODUCT ENHANCEMENTS



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

SHELF LIFE

6 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.

4. 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.

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

The manufacturer 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 qt (3.7 L) to 5 1/2 qt (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. 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 & 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).

5. AVAILABILITY

To locate ProSpec® products in your area, please contact:

Phone: 800-832-9002

Website: prospec.com

6. WARRANTY

For warranty details, see your sales associate or prospec.com

7. MAINTENANCE

Not applicable

8. TECHNICAL SERVICES

Technical Assistance Information is available by calling the Technical Support Hotline.

Toll Free: 800-832-9023

Fax: 630-952-1235

Technical and Safety Literature

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

9. FILING SYSTEM

Division 3

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

10. TECHNICAL DATA

Working Time	20 - 30 minutes
Set Time ASTM C191	
Final Set	90 - 120 minutes
Compressive Strength ASTM C109 (Air Cured)	
1 day	> 2,400 psi (16.5 MPa)
28 days	> 5,000 psi (34.5 MPa)

Greater than: > Greater than or equal to: ≥ Less than: < Less than or equal to: ≤

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

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Data Sheets are subject to change without notice.
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at prospec.com



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