

PRO SPEC[®] Concrete Repair Systems

2009



About Us

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ProSpec is the professionally specified brand of specially engineered mortars, concrete mixes, additives, underlayments and toppings, resurfacing compounds and patches.

Manufactured by Bonsal American, one of the largest producers of packaged building material products in the United States, ProSpec offers proven performance.

Found in divisions 3, 4, 7 and 9 of the Construction Specifications Institute (CSI), ProSpec provides value-added solutions used in specifying a wide range of projects from stadiums and parking decks to condominiums and office complexes.

Technical Services

We have an expert Technical Service Group that handles all inquiries regarding products and their related applications. Our support staff has the hands-on experience and technical background to address any needs you may have, so please don't hesitate to contact us.

ProSpec Technical Service Support: 1.800.334.0784

Email inquiries to: prospec@oldcastleap.com

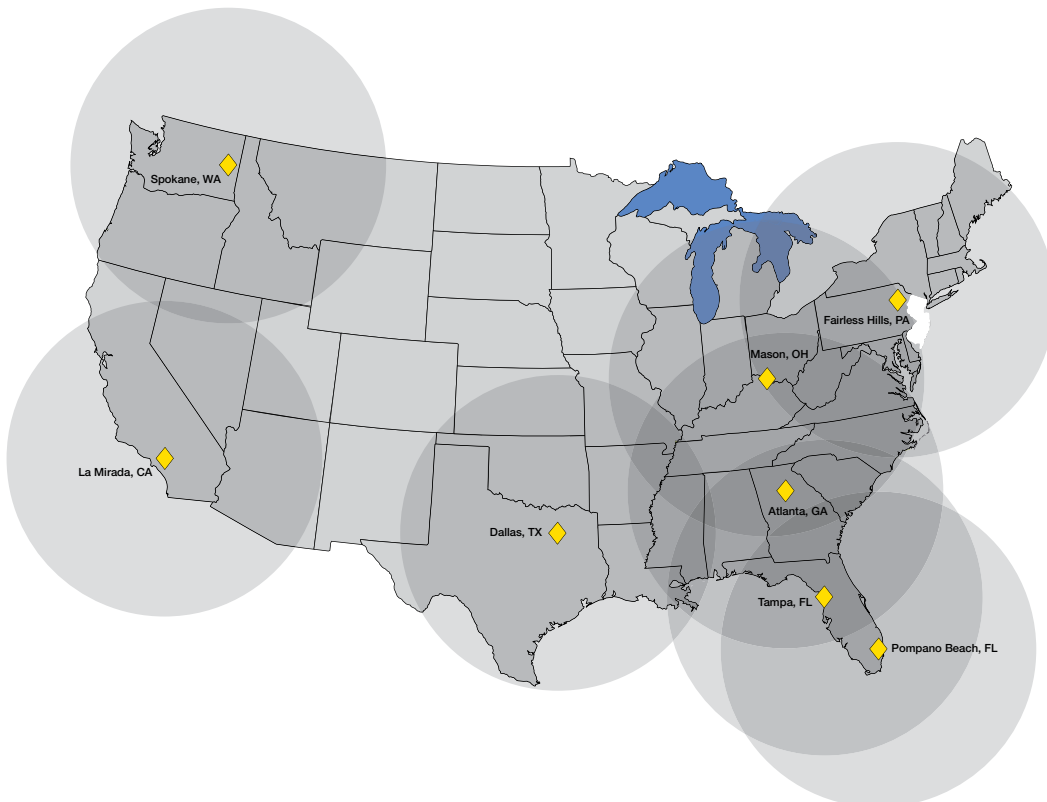
ProSpec Contributes LEED Points

ProSpec is committed to manufacturing environmentally friendly products. Our products can help you achieve LEED certification by contributing to points in three areas:

1. EQ 4.1: Low-emitting materials that contribute to indoor environmental quality
2. MR 4.1 & 4.2: Post-consumer recycled content
3. MR 5.1 & 5.2: Regional materials, including local manufacturing and the use of raw materials from within 500 miles of the manufacturing site

ProSpec can supply product from eight locations across the United States, ensuring that most products will be manufactured within 500 miles of your project site.

ProSpec Manufacturing/Shipping Locations within a 500-mile Radius



ProSpec Performance



Micro Defense® Technology

Micro Defense® Technology is a special antimicrobial additive that prevents the growth of mold and mildew. Micro Defense® helps guard against rot and is particularly important for installations exposed to moisture.



Rapid Cure Technology™ (RCT)

Rapid Cure Technology (RCT)™ improves the strength, curing, workability, and performance of ProSpec surface preparation and tile products. Rapid Cure Technology is ProSpec's next generation of cement technology beyond portland cement based systems offering quick, high strength development and fast curing without sacrificing workability or working time. RCT also prevents efflorescence, controls the shrinkage during curing and provides greater long-term performance.



Expansion Stabilization Technology™ (EST)

Expansion Stabilization Technology™ (EST) is a special additive designed to reduce the potential for cracking and shrinkage by controlling the pre-cure chemical and physical reactions during underlayments' plastic stage, where up to 80 percent of shrinkage occurs.



Everglades on the Bay in Miami, Florida, a luxury condominium project, used ProSpec Vertical Leveling Mortar to repair out-of-plumb walls, preparing them for a stucco finish coat.



ProSpec Vinyl Concrete Patch and 118 Primer were used for concrete repairs at Bank of America Stadium in Charlotte, North Carolina.



ProSpec RubCrete is used to repair bug holes and other surface defects in precast concrete.

Underlayments & Toppings



Level Set® 300 Underlayment

BETTER

ProSpec Level Set 300 is a *premium*, Calcium Aluminate Cement-based, self-leveling underlayment that provides a flat, smooth, durable surface with minimum installation time and cost.
For interior use only.

Features:

- Superior flow
- Easy to use; no troweling required
- No sanding or grinding required
- Single component
- Expansion Stabilization Technology (EST) means no cracking
- High strength; 5,500 psi (44.8 MPa) compressive strength
- Does not promote the growth of mold or mildew
- Applications from feather edge to 2" (51 mm) neat; can be extended to 5" (127 mm)
- Rapid Cure Technology (RCT)™ for quick return to service – accepts foot traffic in 3-4 hours and floor coverings in 16 hours

Packaging:

- 50 lb. bags



Level Set® 200 Underlayment

BETTER

ProSpec Level Set 200 is a Calcium Aluminate Cement, non-gypsum based, single component self-leveling underlayment that provides a flat, smooth, durable surface for the installation of floor coverings.
For interior use only.

Features:

- Superior flow
- Easy to use; no troweling required
- No sanding or grinding required
- Single component
- Expansion Stabilization Technology (EST) means no cracking
- High strength; 5,000 psi (34.5 MPa) compressive strength
- Rapid Cure Technology (RCT)™ for quick return to service – accepts foot traffic in 3-4 hours and floor coverings in 16 hours
- Applications from feather edge to 2" (51 mm) neat; can be extended to 5" (127 mm)
- Does not promote the growth of mold or mildew

Packaging:

- 50 lb. bags



Level Set® 100 Underlayment

GOOD

ProSpec Level Set 100 is a polymer modified, portland cement based, self-leveling underlayment.
For interior use only.

Features:

- Self-leveling
- Installable up to 1" (25 mm)
- Pourable and pumpable
- High strength; 4,500 psi (31.0 MPa) compressive strength
- Provides a smooth surface for the installation of floor coverings
- Open to light traffic in 4 hours, ceramic tile and stone applications in 24 hours

Packaging:

- 50 lb. bags



Level Set® LW-60

ProSpec Level Set LW-60 is a single component, lightweight underlayment that provides a flat, smooth, durable floor without the weight of a normal portland cement or gypsum underlayment.

Features:

- 50% lighter than conventional cement and gypsum based systems
- Ideal for projects where load-bearing restrictions apply
- Rapid early strength gain
- Superior flow
- Installable from feather edge to 2" (51 mm) thick
- Accepts foot traffic in 3-4 hours and floor coverage in 16 hours
- Rapid Cure Technology (RCT)™ for quick return to service – accepts foot traffic in 3-4 hours and floor coverings in 16 hours

Packaging:

- 25 lb. bags

Underlayments & Toppings



Level Set® Wear Topping

ProSpec Level Set Wear Topping is a *premium*, Calcium Aluminate Cement-based, high strength, abrasion-resistant, self-leveling wear surface for stains, sealers and coatings. *For interior use only.*

Features:

- Superior flow
- Easy to use; no troweling required
- No sanding or grinding required
- Single component
- Expansion Stabilization Technology (EST) means no cracking
- High strength; 6,000 psi (41.4 MPa) compressive strength
- Does not promote the growth of mold or mildew
- Applications from 1/4" (6 mm) to 2" (51 mm)
- Provides a flawless crack-resistant base for decorative concrete
- Rapid Cure Technology (RCT)™ for quick return to service – accepts foot traffic in 3 hours and hard rubber wheel traffic within 48 hours

Colors:

- Available in gray or brilliant white

Packaging:

- 50 lb. bags



Feather Edge

BEST

ProSpec Feather Edge is a premium, polymer modified, rapid setting, trowelable underlayment that results in a very smooth, ultra thin finish applied over a wide array of subfloors.

Features:

- Low in place cost due to excellent coverage
- No priming needed
- Feather edge up to 1/2" (13 mm) thickness without cracking
- Contains Micro Defense® for mold and mildew resistance
- Rapid Cure Technology (RCT)™
- Interior only
- Can be used over cement, terrazzo, wood and cutback adhesive

Packaging:

- 10 lb. bags (4/case)



Floor Patch

BETTER

ProSpec Floor Patch is a rapid setting polymer modified, unsanded, RCT cement based patching and embossing leveler compound used under a wide variety of floor covering installations.

Features:

- Feather edge to 2" (51 mm) in thickness
- Ready for covering in 1-2 hours
- Can be sanded to a smooth finish
- No additive required
- For interior or exterior use
- Contains no gypsum
- Can be used over cement, wood, terrazzo and cutback adhesive

Packaging:

- 25 lb. bags



Trowel Grade Underlayment

GOOD

ProSpec Trowel Grade Underlayment is a polymer modified cement based floor underlayment for interior floor repair applications.

Features:

- Interior only
- Fast setting
- Excellent surface hardness
- Bonds to concrete
- High tensile strength and compressive strength
- Feather edge to 2" (51 mm)
- Leveling and smoothing floors
- Superior workability

Packaging:

- 25 lb. bags

Construction Grouts



F-77 Construction Grout

ProSpec F-77 Construction Grout is a non-shrink, non-metallic, cementitious structural grout.

Features:

- Interior/exterior
- Pumpable and flowable

- Super plasticized for improved strength
- Non-shrink

Specs:

Meets ASTM C 1107 grades A, B and C and ASTM CRD-C 621

Packaging:

- 50 lb. bags



High Strength Precision Grout

ProSpec High Strength Precision Grout is a specially formulated, ready-to-use, high strength, flowable precision grout.

Features:

- Nonporous; very dense
- Non-metallic
- Non-shrink
- High fluidity
- Non-staining

- Interior/exterior
- Non-corrosive
- Contains no chlorides or other salts detrimental to reinforcing steel
- High initial and ultimate flexural compressive strengths

Specs:

Meets ASTM C 1107 grades A, B and C and ASTM CRD-C 621

Packaging:

- 50 lb. bags



Precast Mortar Grout

ProSpec Precast Mortar Grout is fast-setting, non-shrink, single component, cementitious mortar grout formulated for precast repairs and erections.

Features:

- High strength
- Rapid setting
- Non-staining
- Non-metallic
- Non-corrosive
- Contains no chlorides or other salts detrimental to reinforcing steel

- Excellent hang capability from 1/2" to 3" (13 mm to 76 mm)
- Cement based to ensure substrate compatibility
- Cost effective – no forming needed
- Non-shrink, shavable
- Freeze/thaw resistant

Specs:

Meets CRD-C621 Corps of Engineers Specification for Non-Shrink Grout and ASTM C-1107

Packaging:

- 50 lb. bags



Slab Dowel Grout

ProSpec Slab Dowel Grout is a non-shrink, high compressive strength, non-metallic grout used for placing prefabricated concrete pavements.

Features:

- Over 2500 psi (17.2 MPa) compressive strength in 2 hours
- Non-shrink
- Excellent bond

- Resists freeze/thaw damage
- Very fluid
- Cement based
- Non-corrosive

Specs:

Meets ASTM C 928, Standard Specification for Packaged, Dry, Very Rapid Hardening Cementitious Materials for Concrete Repair

Packaging:

- 50 lb. bags

Construction Grouts



Commercial Anchor Cement

ProSpec Commercial Anchor Cement is a single component, polymer modified portland cement based anchoring grout.

<p>Features:</p> <ul style="list-style-type: none"> • Contains corrosion inhibitor • High early strength • Pourable; viscous flow 	<ul style="list-style-type: none"> • Sets in 20-25 minutes • Interior or exterior use • Resists chloride ion intrusion • Rapid Cure Technology (RCT)TM 	<p>Packaging:</p> <ul style="list-style-type: none"> • 50 lb. bags
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Concrete Restoration and Repair



Vinyl Concrete Patch

ProSpec Vinyl Concrete Patch is a single component, fast-setting, polymer modified portland cement based product for concrete repair.

<p>Features:</p> <ul style="list-style-type: none"> • Can be feather edged • Brush, broom or trowel apply • Superior workability 	<ul style="list-style-type: none"> • Excellent resistance to abrasion and deicing salts • Shrinkage compensating 	<p>Specs: Exceeds ASTM C 387 for High Strength Mortar</p> <p>Colors:</p> <ul style="list-style-type: none"> • White & gray <p>Packaging:</p> <ul style="list-style-type: none"> • 50 lb. bags
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Premium Patch 100

ProSpec Premium Patch 100 is a fast setting, fiber reinforced, high strength cement based repair mortar designed for applications where high early strength gain is needed to reduce down time.

<p>Features:</p> <ul style="list-style-type: none"> • High performance cement - fiber reinforced for improved impact, flexural and tensile strengths • Over 2,000 psi (13.8 MPa) in one hour allows repairs to be opened to traffic 	<ul style="list-style-type: none"> • Cement based, non-corrosive • Interior/exterior • Can be extended up to 60% by weight for repairs greater than 2" (51 mm) deep 	<p>Specs: Meets ASTM C 928, Standard Specification for Packaged, Dry, Very Rapid, Hardening Cementitious Materials for Concrete Repair</p> <p>Packaging:</p> <ul style="list-style-type: none"> • 50 lb. bags
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Premium Patch 200

ProSpec Premium Patch 200 is a fast setting, fiber reinforced, polymer modified, high strength cement based repair mortar designed for applications where high early strength gain is needed to reduce down time.

<p>Features:</p> <ul style="list-style-type: none"> • High performance cement – fiber reinforced for improved impact, flexural and tensile strengths • Over 2,000 psi (13.8 MPa) in one hour allows repairs to be opened to traffic within one hour • Cement based, non-corrosive 	<ul style="list-style-type: none"> • Polymer modified for excellent bond – no bonding agent needed • Can be extended up to 60% by weight for repairs greater than 2" (51 mm) deep • Contains corrosion inhibitor 	<p>Specs: Meets ASTM C 928, Standard Specification for Packaged, Dry, Very Rapid, Hardening Cementitious Materials for Concrete Repair</p> <p>Packaging:</p> <ul style="list-style-type: none"> • 50 lb. bags
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Concrete Restoration and Repair



Magna 100

ProSpec Magna 100 is a magnesium phosphate, cement based concrete repair material that quickly develops high compressive strength. Suitable for use in extreme cold environments.

Features:

- Rapid setting
- Open to traffic in 1-2 hours
- Can be used from 1/2" to 8" (13 to 203 mm) in depth without modification

- No special curing
- Can be placed in below freezing temperatures

Specs:

Meets ASTM C 928, Standard Specification for Packaged, Dry, Very Rapid, Hardening Cementitious Materials for Concrete Repair

Packaging:

- 50 lb. bags



Metro Mix 240

ProSpec Metro Mix 240 is a super plasticized, high performance (ready mix) concrete mix.

Features:

- High strength
- Full depth repairs 2" (51 mm) or greater

- Super plasticized for higher slump and compressive strengths
- Ideal for projects inaccessible to ready-mix

Specs:

Exceeds ASTM C 387 for High Strength Mortar

Packaging:

- 50 lb. bags



Metro Mix 240 AE

ProSpec Metro Mix 240 AE is an air entrained, super plasticized high performance (ready mix) concrete mix with corrosion inhibitor.

Features:

- Improved freeze/thaw resistance
- High strength
- Full depth repairs 2" (51 mm) or greater

- Super plasticized for higher slump and compressive strengths
- Ideal for projects inaccessible to ready-mix

Specs:

Exceeds ASTM C 387 for High Strength Mortar

Packaging:

- 50 lb. bags



VO Repair Mortar

ProSpec VO Repair Mortar is a single component, polymer modified, non-sag, cementitious patch formulated for vertical and overhead repairs.

Features:

- Can be used for structural repairs
- Excellent overhead hang capability from 1/2" to 2" (12 to 50 mm)
- Superior bond

- Fast setting
- Interior/exterior
- Trowel or hand apply
- Integrated corrosion inhibitor
- Cost-effective; requires no forming

Specs:

Exceeds ASTM C 387 for High Strength Mortar

Packaging:

- 50 lb. bags

Concrete Restoration and Repair



Vertical Leveling Mortar

ProSpec Vertical Leveling Mortar is a one component, polymer modified high strength, rapid hardening, portland cement based, concrete repair material designed for vertical and overhead patching and repair work.

Features:

- Vertical and overhead general patching and repair
- Can be used from 1/4" to 4" (6 to 102 mm) thick
- Freeze/thaw resistant
- Shrinkage compensating
- High early strength; does not need forms
- Rapid buildup
- Does not require primers or bond coats
- Can be used in structural repairs
- Rapid Cure Technology (RCT)TM

Specs:

Exceeds ASTM C 387 for High Strength Mortar

Packaging:

- 50 lb. bags



Instant Hydraulic Cement

ProSpec Instant Hydraulic Cement is a high speed, single component cement repair material formulated for stopping active water leaks.

Features:

- Initial set in 1-3 minutes
- Above and below grade
- Can be applied underwater
- Stops seepage leaks
- Shrinkage compensated
- Horizontal and vertical repairs
- Non-staining
- Rapid Cure Technology (RCT)TM

Packaging:

- 50 lb. bags

Concrete Resurfacing & Rehabilitation



CR - Concrete Resurfacer

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

Features:

- Excellent bond to old concrete down to feather edge
- Hardens quickly
- Less expensive alternative to concrete replacement
- Self curing; no additional curing compounds needed
- Feather edge to 1/2" (13 mm)
- No primer needed
- Can be pigmented to suit job site conditions
- Interior/exterior
- High flexural and compressive strength
- Fast drying; walkable in 8 hours
- Durable, freeze/thaw resistant
- Contains corrosion inhibitor
- Rapid Cure Technology (RCT)TM

Packaging:

- 50 lb. bags



RubCrete

ProSpec RubCrete is a polymer modified, one component resurfacer for filling and smoothing interior and exterior vertical concrete and masonry surfaces.

Features:

- Polymer modified
- Excellent bond to old or new concrete
- Self curing
- Feather edge to 1/2" (13 mm)
- Non-shrink finish
- No primer needed
- Excellent coverage and easy to use
- Interior/exterior

Colors:

- Gray, brown and white

Packaging:

- 25 lb. bags

Concrete Resurfacing & Rehabilitation



BlendCrete

ProSpec BlendCrete is a one component, polymer modified, portland cement based concrete and masonry patching compound.

<p>Features:</p> <ul style="list-style-type: none"> • Fast setting, low slump repair mortar that can be troweled, shaped and shaved • Integrated corrosion inhibitor • Apply overhead or vertically without expensive forming procedures 	<ul style="list-style-type: none"> • Tenacious bond to substrates • Interior/exterior • Available in 4 colors and 2 set times (15 and 30 minutes) • Apply from 1/2" to 1" (13 to 25 mm) • Rapid Cure Technology (RCT)[™] 	<p>Colors:</p> <ul style="list-style-type: none"> • Light, medium and dark gray; white <p>Packaging:</p> <ul style="list-style-type: none"> • 25 lb. bags
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Masonry Mortar and Grout



Surface Bonding Cement

ProSpec Surface Bonding Cement is a structural, fiber reinforced portland cement based surface applied mortar for concrete block and masonry walls.

<p>Features:</p> <ul style="list-style-type: none"> • Fiber reinforced • One-coat stucco • Non-combustible 	<ul style="list-style-type: none"> • Trowel or spray apply • Decorative, water-resistant finish • Greater flexural strength than concrete block walls built with mortar joints 	<p>Specs:</p> <p>Meets ASTM C 887</p> <p>Colors:</p> <ul style="list-style-type: none"> • Gray and white <p>Packaging:</p> <ul style="list-style-type: none"> • 50 lb. bags
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Dampproofing / Waterproofing



Sure-Coat

ProSpec Sure-Coat is a single component polymer modified portland cement based coating for waterproofing concrete and masonry. Protects structures from moisture damage and dampness.

<p>Features:</p> <ul style="list-style-type: none"> • Waterproof coating • Features Micro Defense[®] Technology for mold and mildew resistance • Resistant to positive and negative hydrostatic pressure • Low permeability • Durable fine sand finish 	<ul style="list-style-type: none"> • Paintable • Above and below grade • Interior or exterior use • Superior bond • Can be used as a decorative coating • Brush, spray or trowel apply • Vertical and overhead applications 	<p>Colors:</p> <ul style="list-style-type: none"> • Gray and white <p>Packaging:</p> <ul style="list-style-type: none"> • 50 lb. bags
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Special Coatings



Rebar Coat

ProSpec Rebar Coat is a premixed polymer based primer with a corrosion inhibitor designed to protect steel reinforcement from oxidation.

<p>Features:</p> <ul style="list-style-type: none"> • Ready to use • Corrosion inhibitor • Zero VOC 	<ul style="list-style-type: none"> • Easily identifiable - yellow in color • Apply with brush or roller • Can be left exposed for up to 5 days 	<p>Packaging:</p> <ul style="list-style-type: none"> • 1 gal. pails
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Primers & Bonding Agents



118 Primer

ProSpec 118 Primer is a concentrated liquid, zero VOC copolymer used prior to the installation of cementitious toppings, underlayments, repair mortars and stuccos. It improves the bond strength between toppings and profiled substrates.

Features:

- Non re-emulsifiable as per ASTM C 932
- Improves bond strength

- Bonds new concrete to hardened concrete
- Interior or exterior applications
- Above or below grade
- Improves curing

Packaging:

- 1 gal. jugs (4/case) and 5 gal. pails



Acrylic Additive

ProSpec Acrylic Additive is a liquid acrylic polymer emulsion specifically designed as an admixture for cement-based products.

Features:

- Solvent free/VOC compliant
- Enhances adhesion and durability
- Improves curing

- Reduces potential for efflorescence
- Increases tensile strength
- Improves workability
- Interior/exterior

Packaging:

- 1 gal. jugs, 5 gal. pails or 55 gal. drums



Level Set® Primer Plus

ProSpec Level Set Primer Plus is a highly concentrated film-forming dispersion for priming very dense, smooth non-absorbent substrates prior to the installation of Level Set products. *All Level Set products must be used in conjunction with a Level Set primer.*

Features:

- Provides maximum adhesion and seal between the substrates and the leveler
- Rapid drying
- Excellent bond

- Water based
- Non-flammable
- Solvent free
- VOC compliant
- Replaces 2-part primers

Packaging:

- 2.64 gal. pails



Level Set® Primer

ProSpec Level Set Primer is a liquid polymer latex bonding agent for interior applications of Level Set products. *All Level Set products must be used in conjunction with a Level Set primer.*

Features:

- Bonding agent

- Concentrated re-emulsifiable adhesive

Packaging:

- 1 gal. pails (4/case) & 5 gal pails

Custom Shotcretes

Shotcrete 300

Reduces rebound, sagging and sloughing. Ideal for repair of bridges, culverts or parking decks, slope stabilization, pool construction, mines or tunnels.

Shotcrete 300V

Custom designed with microsilica and polypropylene fibers to meet specifications for the Virginia Department of Transportation (VDOT) for Class A Shotcrete.

Baybridge Shotcrete

Formulated with polypropylene fibers, well-graded silica aggregates and microsilica to be especially effective for rock stabilization projects and bridge repair.

Product Selection Matrix

Underlayments and Toppings

	Features	Level Set 100	Level Set 200	Level Set 300	Level Set LW-60**	Level Set Wear Topping***	Trowel Grade Underlayment	Feather Edge	Floor Patch
Features	Vertical / Overhead / Horizontal	H	H	H	H	H	H	H	H
	Interior/Exterior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior / Exterior
	Accepts Tile & Stone Installations	24 hrs.	3 to 4 hrs.	3 to 4 hrs.	3 to 4 hrs.	3 to 4 hrs.	90 min.	30 min.	1 hr.
	Accepts Moisture-sensitive Floor Coverings	72 hrs.	16 hrs.	16 hrs.	16 hrs.	16 hrs.	4 hrs.	30 min.	2 hrs.
Special Additives	Polymer Modified	●	●	●	●	●	●	●	●
Placement	Thickness	Feather edge to 5"*	Feather edge to 5"*	Feather edge to 5"*	Feather edge to 2"	1/4" to 5"*	Feather edge to 2"	Feather edge to 1/2"	Feather edge to 2"
	Working time (min, @ 70° F)	25-35	25-35	25-35	30	30	15	10-20	10-15
	Trowel, Pump or Pour Apply	Pump / Pour	Pump / Pour	Pump / Pour	Pump / Pour	Pump / Pour	Trowel	Trowel	Trowel
Compressive Strength	24 hours (psi)	>1,500	>3,000	>3,500	2,000	3,500	>2,000	2,100	>1,300
	28 days (psi)	>4,500	>5,000	>5,500	4,000	6,000	>5,000	4,700	>2,650

* Must be extended with aggregate

** Lightweight

*** Sustainable

Concrete Restoration and Repair

	Feature	Vinyl Concrete Patch	Premium Patch 100**	Premium Patch 200**	Magna 100	Metro Mix 240	Metro Mix 240 AE	VO Repair Mortar	Vertical Leveling Mortar	Instant Hydraulic Cement	Rebar Coat
Features	Vertical / Overhead / Horizontal	H	H	H	H	H	H	V / O / H	V / O / H	V / H	V / O / H
	Wearing Surface	●	●	●	●	●	●				
	Structural	●	●	●	●	●	●		●		
	Freeze/Thaw		●	●	●		●				
	Resists De-icing Salts	●						●			
	Shrinkage Compensating	●	●	●				●	●	●	
	Return to Service	8 to 12 hrs.	1 hr.	1 hr.	1 hr.	1 hr.	24 hrs.	24 hrs.	1 hr.	3 hrs.	1 hr.
Special Additives	Polymer Modified	●		●				●	●		●
	Corrosion Inhibitor			●			●	●	●		●
	Fiber Reinforced		●	●							
Placement	Thickness	Feather edge to 6"*	1/2" to 8"*	1/2" to 8"*	1/2" to 8"	2"	2"	1/8" to 1"	1/4" to 4"	N/A	15 to 30 wet mils
	Working time (minutes @ 70° F)	20	15	15	8	60+	60+	30	10	1	40 to 60
	Form/Pour		●	●	●*	●	●				
	Trowel, Pump or Spray Apply	Trowel	Trowel	Trowel	Trowel	Pump	Pump	Trowel, Spray	Trowel	Trowel	Spray
Compressive Strength	24 hours (psi)	>2,400	6,000	5,400	>4,500	>2,000	>2,000	>2,500	5,000	2,800	N/A
	28 days (psi)	>5,500	10,000	9,100	>6,500	>6,000	>6,000	>5,000	8,500	6,290	N/A

* Must be extended with aggregate

** Suitable for DOT use. Contact ProSpec Technical Service for approvals.

Product Selection Matrix

Construction Grouts						
	Feature	F-77 Construction Grout	High Strength Precision Grout	Precast Mortar Grout	Slab Dowel Grout	Commercial Anchor Cement
Features	Meets CRD-621 & ASTM 1107	●	●			
	Horizontal	●	●	●	●	●
	Structural	●	●	●	●	●
	Rapid Hardening				●	
	Non-shrink	●	●	●	●	●
	Non-metallic	●	●	●	●	●
Placement	Thickness	1" to 4"	1" to 4"	1/2" to 3"	1 1/4"	2"
	Working time (min, @ 70° F)	30	30	30	20 to 30	10 to 15
	Pumpable	●	●		●	
Compressive Strength	Plastic (1 day / 28 days)	2,500 / 8,000	6,000 / 10,500	2,700 / 7,250	N/A	N/A
	Flowable (1 day / 28 days)	2,200 / 7,000	5,500 / 10,000	3,500 / 8,000	N/A	N/A
	Fluid (1 day / 28 days)	N/A	4,000 / 9,000	N/A	5,200 / 7,500	9,000 / 11,000

* Suitable for DOT use. Contact ProSpec Technical Service for approvals.

Special Coatings		
	Features	Rebar Coat
Features	% Solids by Weight	N/A
	Bonds to Steel	●
Placement	Thickness (wet mils)	30 to 35
	Working time (min, @ 70° F)	
	Brush / Roll / Spray Apply	Brush, Spray

Concrete Resurfacing and Rehabilitation

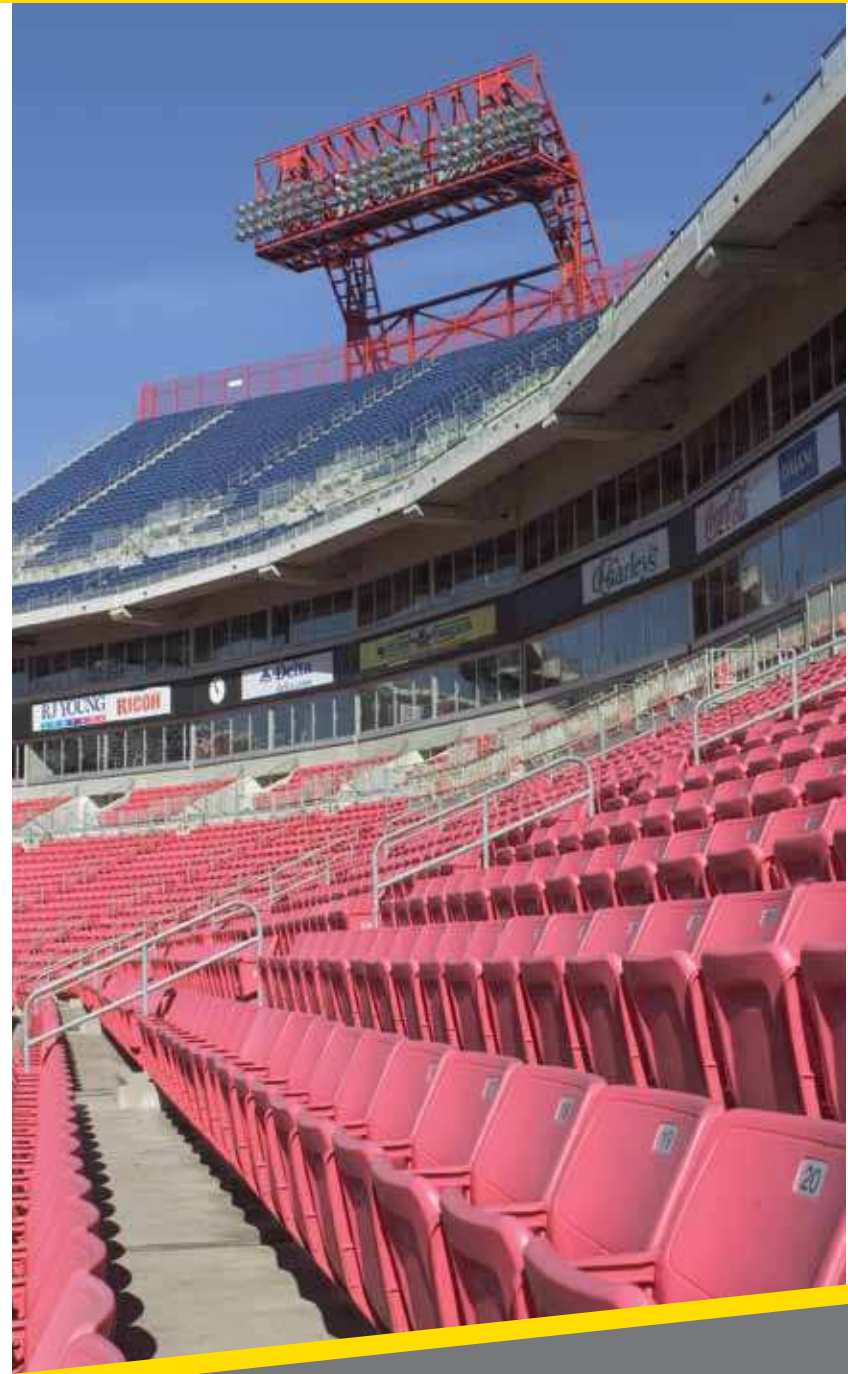
	Feature	CR	Feather Edge	Floor Patch	RubCrete	BlendCrete*
Features	Vertical / Overhead / Horizontal	H	H	H	V / O	V / O / H
	Wearing Surface	●				●
	Structural					●
	Freeze/Thaw	●				●
	Corrosion Inhibitor	●				
	Coating Resurface	●	●		●	
	Return to Service	8 hrs.	16 hrs.	24 hrs.	N/A	3 hrs.
Special Additives	Polymer Modified	●	●	●	●	●
Placement	Thickness	Feather edge to 1/2"	Feather edge to 1/2"	Feather edge to 2"	Feather edge to 1/2"	1/2" to 1"
	Working time (min, @ 70° F)	30	10 to 20		30	15
	Trowel, Pump or Spray Apply	Brush	T	T	T	T
Compressive Strength	24 hours (psi)	2,400	2,100	>1,300	600	>4,800
	28 days (psi)	5,000	4,700	>2,650	3,500	>6,500

* Suitable for DOT use. Contact ProSpec Technical Service for approvals.

Primers, Bonding Agents and Curing Compounds

	Features	118 Primer	Acrylic Additive	Level Set Primer	Level Set Primer Plus
Features	Re-emulsifiable	Yes (once)	No	Yes (once)	No
	% Solids by Weight	48	26	48	N/A
	Fortifying Cement Additive		●		
	Bonding Agent/Primer	●		●	●
	Bonds to Steel, Cutback, Terrazzo				●
	Bonds to Concrete/Wood	●	●	●	●
Placement	Thickness (wet mils)	2 to 6	N/A	2 to 3	N/A
	Working time (min, @ 70° F)	20-30	N/A	20-30	N/A
	Brush / Roll / Spray Apply	B / R / S	N/A	B / R / S	B / R

Concrete Repair Systems



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