



# *Commercial Concrete Repair and Restoration*

## *Products Catalog*

**PALUMBO**  
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# 03600 Grouts

For Additional Grouts, See Page 10

## Precision Grout



**BONSAL® High Strength Precision Grout** is a high strength, nonshrink, nonmetallic precision hydraulic cement material designed for high performance grouting of concrete poured in place, precast, tilt-up and prestressed; heavy machinery, anchor bolts, etc.

### Features

- Ultimate high strength precision grouting
- Noncorrosive, will not attack reinforcement
- Nonshrink, nonmetallic
- Plastic, flowable for fluid consistency
- Pumpable for easy placement

### Specifications

**MEETS ASTM C 1107, ASTM C 1090**  
**Product Number: 712050**  
**Item Weight: 50 lb. Bag**

## F-77 Construction Grout



**BONSAL® F-77 Construction Grout** is a nonshrink, nonmetallic structural hydraulic cement for high strength grouting of heavy machinery, steel bearing plates, concrete columns, anchor bolts, dowel rods, etc.

### Features

- Noncorrosive, will not attack reinforcement
- Nonmetallic
- Dry pack, plastic, or flowable consistency
- Pumpable for easy placement
- Super plasticized for improved strength

### Specifications

**Meets ASTM C 1107, ASTM C 1090**  
**Product Number: 711050**  
**Item Weight: 50 lb. Bag**

## C-1107 Grout



**BONSAL® C-1107 Grout** is a nonshrink, nonmetallic structural hydraulic cementitious grout.

### Features

- Nonshrink
- Nonmetallic
- Dry pack, plastic, or flowable consistency
- Pumpable for easy placement

### Specifications

**Meets ASTM C 1107, ASTM C 827, ASTM C 1090,**  
**Product Number: 713050**  
**Item Weight: 50 lb. Bag**

## Commercial Anchor Cement



**BONSAL® Anchor Cement** is a polymer modified, shrinkage compensating, hydraulic cement-based product used for securing heavy machinery, guard rails, bolts, parking meters, ornamental iron, etc.

### Features

- High early strength
- Pourable, viscous flow
- Sets in 20 minutes
- Interior or exterior use
- Resists chloride ion intrusion

### Specifications

**Product Number: 715050**  
**Item Size: 50 lb. Pail**

# 03700 Concrete Restoration

## Fast Set Cement Mix



**BONSAL® Fast Set Cement Mix** is a polymer modified, rapid setting hydraulic cement repair mortar that can be modified with BONSAL 118 Primer/Admixture for concrete repair.

### Features

- High early strength / sets in 20 minutes
- Can be used for vertical and overhead repairs
- Can be featheredged
- Can be used for horizontal repairs
- Freeze-thaw resistant
- Light use in 4 hours, heavy use in 24 hours
- Can be extended with coarse aggregate

### Specifications

**Meets ASTM C 928**  
**Product Number: 741050**  
**Item Weight: 50 lb. Bag**

## Magna 100



**BONSAL® Magna 100** is a magnesium phosphate cement based concrete repair material. It is rapid setting and quickly develops high compressive strength effective in repairing highways, bridge and parking decks, airport runways, and concrete slabs.

### Features

- Very rapid strength gain
- Open to traffic in two hours
- No special curing
- One component, just add clean potable water

### Specifications

**Meets ASTM C 928**  
**Product Number: 721050**  
**Item Weight: 50 lb. Bag**

## Hydraulic Cement Mix



**BONSAL® Instant Hydraulic Cement** is an extremely rapid setting hydraulic cement repair material designed for stopping the flow of water through breaks in concrete or masonry walls and floors.

### Features

- Sets in 3 minutes or less
- Does not shrink
- Non-staining
- Stops flowing water and leaks

### Specifications

**Product Number: 710150**  
**Item Size: 50 lb. Pail**

## Metro Mix 240



**BONSAL® Metro Mix 240** is a mixture of sand, well-graded coarse and fine aggregates, and special additives designed to produce high strength concrete. Metro Mix is the perfect substitute for ready-mixed concrete when site conditions are a factor.

### Features

- High strength structural applications
- Full depth repair
- Pumpable
- Ideal for projects inaccessible to ready-mix

### Specifications

**Meets ASTM C 387**  
**Product Number: 731050**  
**Item Weight: 80 lb. Bag**

# 03700 Concrete Restoration

## Metro Mix 240 AE



**BONSAL® Metro Mix 240 AE** is an air entrained mixture of sand, well-graded coarse and fine aggregates, and special additives designed to produce high strength concrete.

### Features

- Air entrained for freeze-thaw resistance
- High strength structural applications
- Full depth repairs
- Convenient when ready mix isn't
- Pumpable

### Specifications

**Meets ASTM C 387**  
**Product Number: 733080**  
**Item Weight: 80 lb. Bag**

## Rapid Patch VR



**BONSAL® Rapid Patch VR** is a fast setting, high early strength concrete repair material for horizontal application designed for repair of highways, bridge and parking decks, warehouse floors and airport runways.

### Features

- Open to traffic in two hours
- One component, just add clean potable water

### Specifications

**Meets ASTM C 928**  
**Product Number: 742050**  
**Item Weight: 50 lb. Bag**

## Powerset® Concrete Mix



**BONSAL® Powerset® Concrete Mix** is a mixture of sand, coarse aggregate and fast setting hydraulic cement for structural applications.

### Features

- Contains coarse aggregate for full depth concrete repairs
- Sets in approximately 25 minutes
- Open to traffic in 2 hours
- High strength
- Easy placement

### Specifications

**Product Number: 734080**  
**Item Weight: 80 lb. Bag**

## Rebar Coat



**BONSAL® Rebar Coat™** is a single component latex polymer based, primer with an antioxidant rust inhibitor designed to protect steel reinforcement from oxidation prior to placement of concrete repair materials.

### Features

- Prevents flash rusting and oxidation of steel reinforcement
- Will not inhibit bond between substrate and repair mortar
- Can be used as an anti-corrosion primer for steel reinforcement used in structural concrete placements
- Cures to form a protective barrier around the rebar or steel component.
- Ready to use, no mixing

### Specifications

**Product Number: 791001**  
**Item Size: 1 Gallon Pail**

# 03700 Concrete Restoration

## Self Leveling Underlayment



**BONSAL® Self Leveling Underlayment** is a polymer modified cement based, self leveling underlayment for interior use only.

### Features

- Self-leveling
- Open to light traffic in four hours
- Pumpable
- Smooth surface

### Specifications

**Product Number: 751050**

**Item Weight: 50 lb. Bag**

## V. O. Repair Mortar



**BONSAL® V.O. Repair Mortar** is a single component, sand and hydraulic cement mortar that contains a corrosion inhibitor. It is designed for vertical and overhead repair of cavities up to 2 inches in thickness or depth.

### Features

- Contains corrosion inhibitor
- Self curing
- Able to build up to 2 inches overhead repairs without formwork.
- Single component product
- Easy finishing
- Low shrinkage
- High bond strength
- Freeze-thaw resistant

### Specifications

**Product Number: 743050**

**Item Weight: 50 lb. Bag**

## Vinyl Concrete Patcher



**BONSAL® Vinyl Concrete Patcher** is a polymer modified, cement based mortar used with BONSAL 118 Primer/Admixture for concrete repair. Available in gray or white.

### Features

- Bonds to existing concrete and masonry
- Can be featheredged
- Sets in 30 minutes
- Ready for light use in 12-24 hours
- Heavy use in 48 hours
- Designed for horizontal and vertical repairs
- Brush, broom or trowel application
- Rub to hide or fill honeycombs and cavities

### Specifications

**Meets ASTM C 387**

**Product Number: 744040 (Gray) 745050 (White)**

**Item Weight: 40 lb. Bag**

## B-1 Leveler



**BONSAL® B-1 Leveler** is a trowel grade, polymer modified cement based floor underlayment for interior applications. Level and smooth floors, fill cracks and voids and repair surface defects.

### Features

- Easy to mix and trowel
- Fast setting
- Self-bonding over concrete
- Excellent surface hardness
- High tensile and compressive strength
- Featheredged
- Use over concrete, wood, cement plaster, composition board, cementitious backer board, underlayment grade plywood and embossed vinyl tile
- Use under asphalt tile, ceramic tile, quarry tile, mosaic tile, linoleum, vinyl tile, carpet and wood flooring

### Specifications

**Product Number: 752025**

**Item Weight: 25 lb. Bag**

# 04100 Masonry

## Glass Block Mortar



**BONSAL® Glass Block Mortar** is a mixture of sand, white cement, lime and additives. For laying glass block, brick, stone and concrete block.

### Features

- Design strength 1800 psi (12.4 MPa)
- Specifically designed for glass block
- Contains water repellent
- Decorative white color to compliment glass block

### Specifications

*Meets ASTM C 387*  
*Product Number: 764050*  
*Item Weight: 50 lb. Bag*

## Historic Pointing Mortar



**BONSAL® Historic Pointing Mortar** is a mixture of sand, lime and cement. For pointing mortar joints in brick, block and stone. Use in historic renovations.

### Features

- Just add water
- Convenient and economical
- Mixed at the job site
- Quality controlled

### Specifications

*Product Number: 761180*  
*Item Weight: 75 lb. Bag*

## Historic Stucco Mix



**BONSAL® Historic Stucco Mix** is a sand and lime hydraulic cement-based finish coat. Use in historic renovations.

### Features

- Just add water
- Can be pigmented
- Formulated for historic restoration
- Quality controlled

### Specifications

*Product Number: 769080*  
*Item Weight: 75 lb. Bag*

## Industrial Mortar Mix Type M



**BONSAL® Industrial Mortar Mix Type M** is a mixture of masonry cement and sand for unit masonry including brick, block, structural clay tile and stone.

### Features

- Just add water
- Eliminates problems of job-mixed mortar
- Better inventory control
- Can be pigmented
- Consistent quality
- Water resistant

### Specifications

*Meets ASTM C 270 For Type M Mortar*  
*Product Number: 761080*  
*Item Weight: 80 lb. Bag*

# 04100 Masonry

## Industrial Mortar Mix Type S



**BONSAL® Industrial Mortar Mix Type S** is a mixture of masonry cement and sand for unit masonry including brick, block, structural clay tile and stone.

### Features

- Just add water
- Eliminates problems of job-mixed mortar
- Better inventory control
- Can be pigmented

### Specifications

**Meets ASTM C 270 For Type S Mortar**  
**Product Number: 762080**  
**Item Weight: 80 lb. Bag**

## Industrial Mortar Mix Portland/Lime Blend



**BONSAL® Portland/Lime Mortar Mix Industrial Type S** is a blend of portland cement hydrated lime and sand for unit masonry including brick, block, structural clay tile and stone.

### Features

- Just add water
- Eliminates problems of job-mixed mortar
- Better inventory control
- Can be pigmented
- Consistent quality

### Specifications

**Meets ASTM C 270 For Type S Mortar**  
**Product Number: 763080**  
**Item Weight: 80 lb. Bag**

## Stone Setting Mortar



**BONSAL® Stone Setting Mortar** is a high performance, polymer modified mortar designed to set and grout natural and artificial stone.

### Features

- Just add water
- Convenient and economical
- Mixed at the job site
- Quality controlled

### Specifications

**Product Number: 768050**  
**Item Weight: 50 lb. Bag**

## Surface Bonding Cement



**Surface Bonding Cement** is a fiber reinforced, structural cementitious mortar. For building mortarless (dry stack) block walls, water resistant coating for basement walls, crack resistant finish for concrete and masonry and structural coating for restoration.

### Features

- Glass fiber reinforced
- One application stucco finish
- Greater flexural strength than concrete block walls built with mortar joints
- Decorative, water resistant finish
- Resists 98 mph (157.6 km/h) wind driven rain

### Specifications

**Meets ASTM C 887**  
**Product Number: 766050 (White) / 767050 (Gray)**  
**Item Weight: 50 lb. Bag**

# 07110/07150 Dampproofing/Waterproofing

## Aqua Flex



**BONSAL® Aqua Flex** is an easy to apply liquid latex polymer which can be used either as waterproofing underlayment or as part of a crack isolation system. BONSAL Aqua Flex can be applied to dry concrete by brush, paint, roller, trowel or spray equipment.

### Features

- Waterproofing concrete and masonry
- Crack isolation
- Premixed and ready to use

### Specifications

**Product Number: 710435**  
**Item Size: 3.5 Gallon Pail**

## Sealer



**BONSAL® Sealer** is a ready to use, clear water based acrylic conditioner, primer and sealer.

### Features

- Alkali resistant
- Reduces efflorescence
- Allows moisture vapor transmission
- Consolidates light surface chalk and laitance
- Horizontal, vertical or overhead
- Interior or exterior
- Mildew resistant
- Clear non-yellowing-light stable
- Stain resistant
- Abrasion resistant
- Gasoline and oil resistant

### Specifications

**Product Number: 793005**  
**Item Size: 5 Gallon Pail**

## Foundation Coating



**BONSAL® Foundation Coating** is a gray polymer modified, water resistant cement coating for concrete and masonry.

### Features

- Water resistant concrete and masonry coating
- Durable coating
- Above and below grade
- Interior or exterior use
- Superior bond
- Improved abrasion resistance

### Specifications

**Product Number: 710250**  
**Item Weight: 50 lb. Bag**

## Sure-Coat



**BONSAL® Sure-Coat®** is a white polymer modified, water resistant hydraulic cement coating.

### Features

- Water resistant concrete and masonry coating
- Attractive durable coating
- Above and below grade
- Interior or exterior use
- Superior bond abrasion resistant
- White reflective surface
- Brush or spray apply

### Specifications

**Federal Spec. A-A-1555**  
**Product Number: 710350**  
**Item Weight: 50 lb. Bag**

# 09980 Special Coatings

## Marblesil Stucco Mix



**BONSAL® Marblesil Stucco Mix** is a colored, decorative, water resistant portland cement-based non structural finish coat stucco.

### Features

- Durable
- Water resistant
- Factory blended color
- Conforms to appropriate sections of ASTM C 926 Standard Specification for Application of Portland Cement-Based Plaster

### Specifications

**Product Number: 710180**  
**Item Weight: 80 lb. Bag**

## Stuccolite (for AAC Block)



**BONSAL® Stuccolite** is a highly plasticized (high water retention) portland cement lime plaster. Designed for applications directly to Autoclaved Aerated Concrete (AAC).

### Features

- Eliminates drying shrinkage
- Lightweight
- Excellent adhesion
- Excellent workability
- High water vapor transmission coating
- Durable under all weather conditions

### Specifications

**Product Number: 711155**  
**Item Weight: 50 lb. Bag**

## Stuccolite Patcher



**BONSAL® Stuccolite Patcher** is a light weight polymer modified, cement repair product. Used for Autoclaved Aerated Concrete (AAC).

### Features

- Can be used in any thickness
- Does not shrink
- Sets in 30 minutes
- Ready for light use in 12 - 24 hours, heavy use in 48 hours

### Specifications

**Product Number: 711255**  
**Item Weight: 55 lb. Bag**

## Stuccolite Skim Coat



**BONSAL® Stuccolite Skim Coat** is a polymer modified, cement smoothing and leveling product for Autoclaved Aerated Concrete (AAC).

### Features

- Interior or exterior
- Can be used from featheredge to 1/8 inch (3.1 mm)
- Does not shrink
- Sets in 1 to 2 hours
- Ready for finish coat in 12-24 hours
- Can be used for vertical or overhead smoothing

### Specifications

**Product Number: 711355**  
**Item Weight: 55 lb. Bag**

# 03360 Shotcrete

## Shotcrete 300



**BONSAL® Shotcrete 300** is a blend of hydraulic cement and well-graded aggregates for stabilization of tunnels and mines. Excellent for the repair of bridges, dams, parking decks and culverts.

### Features

- Reduces sagging and sloughing
- Low dust
- Reduces rebound
- Economical and convenient

### Specifications

**Meets ASTM C 1480**  
**Product Number: 771080**  
**Item Weight: 80 lb. Bag**

## Custom Shotcretes

Custom Shotcretes are available for a variety of special applications. Examples are listed below.

**Shotcrete 3:1 with Fibers** is formulated to improve adhesion and significantly reduce rebound.

**Shotcrete 300V** is custom designed with microsilica and polypropylene fibers to meet specifications for the Virginia Department Of Transportation (VDOT) for Class A Shotcrete.

**Bay Bridge Shotcrete** is formulated with polypropylene fibers, well-graded silica aggregates and microsilica to be especially effective for rock stabilization projects and bridge repair.

For Additional Grouts, See Page 1

# 03600 Grouts

## Underwater Repair Mortar



**BONSAL® Underwater Repair Mortar** is a hydraulic cement based, high strength repair mortar and grout designed for underwater placement after drying, on structural concrete projects.

### Features

- Fast application, eliminates the need for dewatering
- Repairs damage from abrasion, erosion, frost, corrosion and sulphate attack
- Cures to form a protective barrier around steel components
- Anti-washout properties
- Self compacting
- Excellent resistance to salt spray, chlorides and UV

### Specifications

**Product Number: 714055**  
**Item Size: 55 lb. Pail**

## Polymeric Sand



**BONSAL® Polymeric Sand** is a mixture of sand and special additives for paving stone joints. Unlike regular paver sweep sand, Polymeric Sand is engineered to resist wind, rain and freezing conditions without washing away. It was developed for the professional installer as the "finishing touch" for paver projects, yet it's easy to apply.

### Features

- Factory blended for uniformity
- Quality controlled
- Poly-line moisture resistant bag
- No pre-mixing - just sweep into joints and spray with water; will harden after spraying
- Resists washout better than regular sand
- Reduced weed growth

### Specifications

**Product Number: 713166**  
**Item Weight: 65 lb. Bag**

# Bonding Agents

## 118 Primer/Admixture



**BONSAL® 118 Primer/Admixture** is a concentrated liquid copolymer used as a primer and admixture for cement based products.

### Features

- Can be used as a primer and admixture
- Increases bond strength • Water resistant
- Bonds new concrete to hardened concrete
- Horizontal, vertical and overhead applications
- Interior or exterior application • Improves curing

### Specifications

**Product Number: 783001/781005**

**Item Size: 1 Gal. Jug (4/Case) / 5 Gal. Pail**

## Acrylic Additive



**BONSAL® Acrylic Additive** is a liquid acrylic polymer emulsion specifically designed as an admixture for cement based products.

### Features

- Increases bond strength • Improves workability
- Improves abrasion and water resistance
- Will not discolor white products
- Improves freeze-thaw resistance
- Improves flexibility and elongation
- Improves corrosion resistance • Reduces shrinkage

### Specifications

**Product Number: 782005**

**Item Size: 5 Gallon Pail**

## Curing Compound



**BONSAL® Curing Compound** is a water-based clear membrane forming liquid acrylic copolymer coating for curing concrete.

### Features

- Interior or Exterior
- Ready to use
- Curing: Reduces the need for wet curing in warm dry windy weather. Improves strengths, wear resistance and durability while reducing shrinkage
- Sealer: Helps protect and seal concrete surfaces from grease, salts, and acids and improves the ability of the concrete to repel water.

### Specifications

**Meets ASTM C 309**

**Product Number: 792005**

**Item Size: 5 Gallon Pail**



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