

Sealer

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

FEATURES AND BENEFITS:

- Alkali Resistant
- Reduces Potential for Efflorescence
- Allows Moisture Vapor Transmission
- Consolidates Light Surface Chalk and Laitance
- Horizontal, Vertical or Overhead
- Interior or Exterior
- Tintable to Improve Minor Color Variations
- Clear Non-Yellowing-Light Stable
- Stain Resistant
- Abrasion Resistant
- Gasoline and Oil Resistant
- Hot Tire Pick-Up Resistant
- Salt Resistant
- Mildew Resistant
- UV Resistant
- VOC Compliant - Nonflammable
- Surface Penetrating
- Low Odor
- Water Clean Up

USES:

Surface Conditioner and Primer OVER

- Concrete - poured in place, precast, tilt-up and prestressed
- Stucco
- Brick
- Coral
- Limestone
- Stone
- Plaster
- Concrete Roof Tile
- Block
- Drywall

Surface Conditioner and Primer FOR

- Elastomeric Coatings
- Synthetic Stuccos
- Water Based Textured Coatings
- Acrylic Latex Paints
- Oil Based Paints

Surface Sealer (2 coats min.) OVER

- Cement Tile Grout
- Precast Concrete
- Coral
- Brick
- Stone
- Concrete Roof Tile
- Prestressed Concrete
- Poured Concrete
- Tilt-Up Concrete
- Stucco
- Block
- Plaster
- Limestone
- Mortar Joints

PREPARATION:

Clean area and remove all unsound concrete, grease, oil, paint, and any other foreign materials that will inhibit performance.

Refer to:

- ASTM D 4258 Surface Cleaning Concrete for Coating
- ASTM D 4261 Surface Cleaning Concrete Unit Masonry for Coating

Allow all stucco materials to cure for at least 24 hours under normal weather conditions (above 50° F) (10°C). Concrete must cure a minimum of 7 days. Cement tile grout joints are required to cure 28 days. Only apply on properly cleaned and cured substrates containing less than 40% moisture.

MIXING:

Conditioner, Primer and Sealer

BONSAL Sealer undiluted.
Stir or agitate thoroughly.

Tinted Weather Conditioner

- 1 part BONSAL Sealer
- 10 parts BONSALAcrylocoat Smooth White Tint Base
- Up to 1 ounce (29.6 mL) of Universal Colorant per gallon (3.78 L).
- Stir or agitate thoroughly.

Tinted Stain

- 1 part BONSALAcrylocoat Smooth White Tint Base
- 5 parts BONSAL Sealer
- Up to 1 ounce (29.6 mL) of Universal Colorant per gallon (3.78 L).
- Stir or agitate thoroughly.

Tinted Semi-Opaque Stain and Seal

BONSAL Sealer
Up to 1 ounce (29.6 mL) of Universal Colorant per gallon (3.78L).
Stir or agitate thoroughly.
Highly alkaline substrates above pH 12, can have a detrimental affect on some color pigments.

Other quality acrylic latex paints and coatings may be used with BONSAL Sealer in accordance with coating manufacturer's requirements.

PLACEMENT:

Spray Equipment

Use a hand pump or airless sprayer.

The following information is offered as a guide only. Specific product, equipment, application conditions and user experience will influence proper equipment selection. Consult with the equipment manufacturer for equipment handling techniques. Field Test material with equipment prior to starting project.

BONSAL Sealer

Pump	Hose Diameter & Max. Length	Gun	Tip	Pressure at Pump	Pressure at Gun
2 gallon (7.6L)	3/8" x 150' (9.6 mm x 4.6m)	Airless	.017" .04mm	2600 psi (17.9 MPa)	2100 psi (14.5 MPa)

Note: Tip size and pressure will vary with application and mixture being used.

When intermixed with BONSALAcrylocoat Smooth, orifice tip size will increase.

Placement Temperature

	Minimum	Maximum
Substrate	40° (4.5°C)	90° (32°C)
Mix	40° (4.5°C)	90° (32°C)
Air	40° (4.5°C)	90° (32°C)
Humidity	10%	80%

When using BONSAL Sealer undiluted as a conditioner or primer, apply 1 coat at 3 to 5 wet mils in thickness.

When using BONSAL Sealer mixed with Acrylocoat Smooth, apply 2 coats totaling 5 to 7 wet mils in thickness. The finished coating is to be free of drips, runs, and pin holes.

Hand Tools

Brush Application

Use a synthetic 3/4" (19mm) nap roller or brush

For Cement Tile Grout Joints

Allow the grout to cure 28 days before applying the BONSAL Sealer. Apply directly to grout joints making sure to wipe any extra BONSAL Sealer from tiles.

The use of BONSAL Sealer over tile grouts or other Portland Cement materials will give a slight sheen and enhance the color.

CURING:

BONSAL Sealer dries and cures through the evaporation of water and coalescing to form a film. Drying will be dramatically extended in cool damp weather and special precautions are necessary to protect the fresh coating from rain and condensation for 24 hours. Supplemental indirect heat will be necessary at or below 40°F (4.5°C) to insure proper cure.

BONSAL Sealer may be coated after curing 24 hours at 77°F (25°C) and 50% relative humidity.

TECHNICAL DATA:

Chemical Resistance

ASTM D 1308

Gasoline, oil and salt resistant through 8 hours.

Moisture Vapor Permeability

ASTM E 96

214 perms at 4 wet mils

171 perms at 5 wet mils

Dry Coating pH

10.0

Abrasion Resistance

ASTM D 2486 at specified film thickness

	Passes
BONSAL Sealer (undiluted)	3,000 cycles at 1 dry mils

1 Part BONSAL Sealer	3,000 cycles at
10 Parts BONSALAcrylocoat	4 dry mils

5 Parts BONSAL Sealer	3,000 cycles at
1 Part BONSALAcrylocoat	1 dry mils

	% Solids by Weight	Pigment Volume Concentration %
BONSAL Sealer	14	0

LIMITATIONS:

- **DO NOT** apply if air or substrate temperature is below 40° (4.5°C) or above 90°F (32°C).
- **DO NOT** use more than 1 ounce (29.6 mL) of universal colorant per gallon of BONSAL Sealer.
- **DO NOT** apply over wet substrates.
- **DO NOT** allow to freeze.
- **DO NOT** store below 40°F (4.5°C) or above 90°F (32°C).
- **DO NOT** apply over substrates that are frozen or contain frost.
- **DO NOT** apply to tile grout joints cured less than 28 days.

LIMITATIONS (Cont.):

- **DO NOT** use as a surface conditioner or primer for cementitious coatings.
- **DO NOT** use Acrylocoat in combination with BONSAL Sealer for horizontal applications.
- **DO NOT** apply to stucco materials cured less than 24 hours.
- **DO NOT** apply to concrete cured less than 7 days.
- **DO NOT** reuse empty container. Recycle or dispose of properly.

COVERAGE:

Coverage may vary considerably depending on the conditions (rough or smooth) of the substrate, finishing technique used and the final thickness of the coating.

	3 wet mils	5 wet mils	7 wet mils
Per Gallon (3785L)	500 sq. ft. (46.3 M ²)	300 sq. ft. (27.8 M ²)	200 sq. ft. (18.5 M ²)
Per 5 Gal Pail (18.9 L)	2500 sq. ft. (231.5 M ²)	1500 sq. ft. (139.0 M ²)	1000 sq. ft. (92.5 M ²)

Approximately 15,000 (4.572M) linear feet of 1/4" (6.4 mm) tile grout joint per gallon at 5 wet mils.

PACKAGING:

1 gallon/3.78 liters plastic container
5 gallon/18.9 liters pail
55 gallon/208.1 liters drum

SHELF LIFE:

One year from date of manufacturer.

PROTECT FROM FREEZING

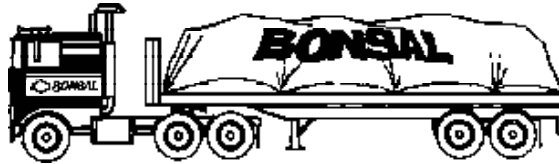
CAUTION: Contains polymethacrylic emulsion. Avoid prolonged contact with skin. Eye irritant. Flush with clean water. Keep from freezing. Empty container may be hazardous to children.
KEEP OUT OF REACH OF CHILDREN.

Technical Assistance

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Home Office

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“Bonsal Delivers Solid Solutions”

LIMITED WARRANTY: W.R. Bonsal Company (“Bonsal”) warrants that this product and the materials used therein meet or exceed the applicable standards listed and enforced at the time of manufacture. Bonsal will replace any product or part which proves defective due to quality of ingredients used or due to the manufacturing process itself. This Warranty shall apply only if the product is used in strict accordance to applicable specifications and instructions provided by Bonsal for its use, and Bonsal shall not be liable otherwise. Replacement of any defective product, or, at Bonsal’s option, refund of the purchase of any defective product shall be the buyer’s sole remedy under this Warranty, and Bonsal shall in no event be liable for any damages in excess of the purchase price of the defective product. **BONSAL SHALL IN NO EVENT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES.**

This Warranty constitutes the sole warranty given by Bonsal in connection with this product, and Bonsal has authorized no person to make or give any other warranties or representation, oral or written on its behalf. **IN PARTICULAR, THERE ARE NOT IMPLIED WARRANTIES, INCLUDING WITHOUT EXCEPTION WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** No modification of this Warranty in favor of any buyer shall be valid unless given in writing and signed by an officer of Bonsal.

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