



# TRUSeal ACRYLIC SEALER

**DESCRIPTION:**

Con-Spec's TRUSeal Acrylic Sealer is a one component, ready-to-use clear, solvent-based curing and/or sealing compound, designed for use on interior and exterior concrete. This sealer is ideally suited for exposed aggregate, stamped concrete, and coloured concrete. It meets ASTM C-309 specifications as a curing compound and it is an excellent dustproofer and surface sealer. TRUSeal Acrylic Sealer will resist many chemicals, help protect against staining, and will provide some colour highlighting. It is not affected by ultraviolet rays and will not yellow. TRUSeal Acrylic Sealer is available in five formulations:

- TRUSeal Cure & Seal Sealer: a 15% solids sealer for use on freshly poured concrete or sealing old concrete where a flat finish is required. Meets ASTM C-309 when applied at 225 ft<sup>2</sup>/gal (5.5 m<sup>2</sup>/L). (VOC Content <350g/l)
- TRUSeal Cure & Seal High Gloss Sealer: a 25% solids sealer for use on freshly poured concrete or sealing old concrete where a high gloss finish is required. Meets ASTM C-309 when applied at 225 ft<sup>2</sup>/gal (5.5 m<sup>2</sup>/L). (VOC Content <350g/l)
- TRUSeal Semi-Gloss Sealer: a 20% solids sealer for use on cured concrete or sealing old concrete where a semi gloss finish is required. (VOC Content <400g/l)
- TRUSeal High Gloss Sealer: a 25% solids sealer for use on cured or old concrete where additional protection and a high gloss finish is required. (VOC Content <400g/l)
- TRUSeal Ultra High Gloss Sealer: a 30% solids sealer for use on cured or old concrete where additional protection and extra high gloss finish is required. (VOC Content <400g/l)

**LIMITATIONS:**

- TRUSeal Sealer is not recommended to seal voids, cracks, or for use where hydrostatic pressure is present. Do not apply to exterior surfaces if rain is expected within 3 hours after application. Take caution when applying in windy conditions or in direct sunlight as this may cause bubbling. Temperature must be between 5C (40F) and 26C (80F). Do not apply to frozen or frost-filled concrete surfaces.

**SURFACE PREPARATION:**

**Freshly Placed Concrete:** Use a TRUSeal Cure & Seal Sealer. Horizontal surface must be finished and may be damp, but not wet. The surface must be able to withstand foot traffic from workers. Vertical surfaces may be treated as soon as the forms have been removed and the surface rubbed.

Seller warrants that the product described on the face hereof has been manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer shall be responsible for any claims resulting from the failure to utilize the product in the manner in which it was intended and in accordance with instructions provided for use of product. The only obligation of either the seller or manufacturer shall be to replace any quantity of this product which proved to be defective. Neither seller nor manufacture assumes any liability, loss, or damage resulting from use of this product.

**Existing Concrete:** Surface must be structurally sound, dry, clean, free of dust, dirt, oil, grease, or other contaminants or coatings. Acid etch surface to ensure concrete is clean, rinse thoroughly with clean water, and allow to dry. Concrete should be dry in order to achieve maximum penetration and performance.

**APPLICATION TECHNIQUES:**

**Freshly Placed Concrete:** Apply TRUSeal Cure & Seal Sealer when all free water has disappeared and surface cannot be marred. Use low pressure spray. Product may be rolled under specific conditions. **Do not thin.** Apply uniformly without puddles. Apply as soon as possible to fresh concrete. Use sprayers with Xtreme seals, hoses, and fittings. A second coat may be applied later, after proper surface preparation, to enhance gloss and protection.

**Existing Concrete:** Apply two uniform applications as above. Allow 1-2 hours after first coat before application of second coat. Unsealed concrete surfaces should be first sealed with TRUSeal Cure & Seal Sealer or TRUSeal Semi-Gloss to reduce out gassing followed by one or more coats of TRUSeal High Gloss to achieve a high gloss. Sharkgrip or a non-slip additive may be added to improve slip resistance. Let cure for 24 hours before opening to traffic.

When rolling in temperatures above 25°C or in windy conditions, make sure there is enough product being applied. Not having enough product on your roller will result in micro bubbles appearing. These micro bubbles can be easily re-emulsified into the coating by applying Xylene to the substrate and rolling back and forth just until "cobwebs" form on your roller. Stop rolling at this point and the coating will dry normally with no bubbles.

**COVERAGE:**

Curing 225 ft<sup>2</sup>/gal (5.5 m<sup>2</sup>/L) on fresh concrete  
Sealing 250 ft<sup>2</sup>/gal (6.1 m<sup>2</sup>/L)

Texture and absorption of surface will influence final coverage rates.

**CLEAN-UP INSTRUCTIONS:**

Clean tools and equipment with Xylene or Acetone.

**SAFETY PRECAUTIONS:**

Flammable, keep away from open flames. Use in a well ventilated area. Avoid prolonged contact with skin and breathing of vapour or spray mist.

REV 04/12/13



## VOC ADVANCED ACRYLIC SEALER

### DESCRIPTION:

VOC Advanced Acrylic Sealer is a one component, ready-to-use clear, solvent based sealer, designed for use on exterior concrete. VOC Advanced Acrylic Sealer uses "slow dry technology" providing a easy to use product and being VOC compliant as a solvent based acrylic sealer. This sealer is ideally suited for decorative concrete such as exposed aggregate, stamped concrete, and coloured concrete. It is an excellent dustproofer and surface sealer. VOC Advanced Acrylic Sealer will resist many chemicals, help protect against staining, and will provide some colour highlighting. It is not affected by ultraviolet rays and will not yellow it will not leave a milky film. VOC Advanced Acrylic Sealer is available in three formulations:

- VOC 15 Advanced Sealer: a 15% solids sealer for use on cured concrete or sealing old concrete where a low gloss finish is desired. (VOC Content 400g/l)
- VOC 20 Advanced Sealer: a 20% solids sealer for use on cured concrete or sealing old concrete where a semi gloss finish is required. (VOC Content <400g/l)
- VOC 25 Advanced Sealer: a 25% solids sealer for use on cured or old concrete where additional protection and a high gloss finish is required. (VOC Content <400g/l)

### LIMITATIONS:

VOC Advanced Acrylic Sealer may be applied on green concrete that has cured 4 to 5 days.

VOC Advanced Sealer is not recommended to seal voids, cracks, or for use where hydrostatic pressure is present. Do not apply to exterior surfaces if rain is expected within 3 hours after application. Take caution when applying in windy conditions or in direct sunlight as this may cause bubbling. Temperature must be between 5C (41F) and 26C (80F). Do not apply to frozen or frost-filled concrete surfaces.

### SURFACE PREPARATION:

**Freshly Placed Concrete:** On broom finished grey concrete use Protec III LSF CHEM RX. VOC 15 Sealer may be used with decorative concrete. Horizontal surface must be finished and may be damp, but not wet. The surface must be able to withstand foot traffic from workers. Vertical surfaces may be treated as soon as the forms have been removed and the surface rubbed.

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Seller warrants that the product described on the face hereof has been manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer shall be responsible for any claims resulting from the failure to utilize the product in the manner in which it was intended and in accordance with instructions provided for use of product. The only obligation of either the seller or manufacturer shall be to replace any quantity of this product which proved to be defective. Neither seller nor manufacturer assumes any liability, loss, or damage resulting from use of this product.

**Existing Concrete:** Surface must be structurally sound, dry, clean, free of dust, dirt, oil, grease, or other contaminants or coatings. Acid etch surface to ensure concrete is clean, rinse thoroughly with clean water, and allow to dry. Concrete should be dry in order to achieve maximum penetration and performance.

### APPLICATION TECHNIQUES:

**Freshly Placed Concrete:** On broom finished grey concrete use Protec III LSF CHEM RX. VOC 15 Sealer may be used with decorative concrete. Apply VOC 15 when all free water has disappeared and surface cannot be marred. Use low pressure spray. Product may be rolled under specific conditions. **Do not thin.** Apply uniformly without puddles. Apply as soon as possible to fresh concrete. Use sprayers with Xtreme seals, hoses, and fittings. A second coat may be applied later, after proper surface preparation, to enhance gloss and protection.

**Existing Concrete:** Apply two uniform applications as above. Allow 1-2 hours after first coat before application of second coat. Unsealed concrete surfaces should be first sealed with VOC 15 or VOC 20 to reduce out gassing followed by one or more coats of VOC 25 High Gloss to achieve a high gloss. Sure Step or a non-slip additive may be added to improve slip resistance. Let cure for 24 hours before opening to traffic.

When rolling in temperatures above 25°C or in windy conditions, make sure there is enough product being applied. Not having enough product on your roller will result in micro bubbles appearing. These micro bubbles can be easily re-emulsified into the coating by applying Xylene to the substrate and rolling back and forth just until "cobwebs" form on your roller. Stop rolling at this point and the coating will dry normally with no bubbles.

### COVERAGE:

Curing 225 ft<sup>2</sup>/gal (5.5 m<sup>2</sup>/L) on fresh concrete

Sealing 250-300 ft<sup>2</sup>/gal (6.1 m<sup>2</sup>/L)

Texture and absorption of surface will influence final coverage rates. Multiple thin coats is recommended.

### CLEAN-UP INSTRUCTIONS:

Clean tools and equipment with Xylene or Acetone.

### SAFETY PRECAUTIONS:

Flammable, keep away from open flames. Use in a well ventilated area. Avoid prolonged contact with skin and breathing of vapour or spray mist.

## TIP SHEET

Exempt solvent-based sealers dry much faster than the traditional solvent-based sealers. Listed below are specific application methods that should be followed to ensure successful results.

Exempt solvent sealers should be applied with an industrial, hand held pump-up sprayer equipped with solvent resistant (Viton®) gaskets, o-rings, and hoses. Chapin's Xtreme Industrial Concrete Sprayer, which is resistant to acetone, works well. The fittings in standard pump-up sprayers will deteriorate when in contact with acetone. Sprayers should be equipped with a 1 gallon per minute spray tip.

Because VOC compliant sealers dry faster, the nozzle of the sprayer must be held close to the concrete; no more than 12" (30 cm) above the surface. Do not wave the sprayer nozzle back and forth high above the concrete, as this can lead to flash drying, "spider webbing" and/or bubbling of the sealer.

Maintain a wet edge during spraying to prevent overlap marks, and do not over apply the product.

When sealing or re-sealing existing concrete, best results are achieved by spraying the exempt solvent-based sealer rather than rolling. If rolling is necessary, do not overwork the roller; this can cause bubbling and stringing of the sealer. Once the product has become tacky, do not roll over it. Keep a tray of solvent nearby to help keep the roller wet.

The fast dry times of exempt solvent products require application during the coolest times of the day (early morning or late evening; avoid hot, direct sunlight) and is especially critical to good results. Applying products in hot weather or direct sun may result in severe bubbling. Keep the product cool; don't leave pails in direct sunlight. If bubbling does occur, the sealer can be re-wetted with solvent

In summary:

- Always follow product instructions - especially coverage rates - very carefully
- Keep products cool during storage
- Spray, don't roll, and keep the sprayer tip low
- Use during the coolest part of the day
- Apply "thin to win"

## TROUBLESHOOTING

### **Concrete turned white/milky**

Cause #1: Moisture is trapped between sealer and concrete. This may be caused by applying sealer too soon or concrete too wet.

Cause #2: Sealer losing bond to concrete surface. This may be caused by applying sealer in too hot or windy conditions.

Cause #3: Sealer applied too thick. Acrylic sealers are meant to be applied thin; 1 to 2 mils in thickness.

**Solution:** Roll xylene onto sealed surface to re-emulsify sealer.

### **Sealer bubbled**

Cause #1: Sealer is too thick.

Cause #2: Applied on hot concrete or in direct hot sun.

Cause #3: Over-rolling.

Sealers dry by the evaporation of the solvent. In hot weather the sealer surface will "skin over" too quickly, trapping solvent. Over application will also trap solvents.

**Solution:** Roll xylene onto sealed surface to re-emulsify sealer.

### **Concrete has blotchy appearance after sealing**

Cause #1: Poor/uneven application.

Cause #2: Inadequate surface preparation.

Cause #3: Concrete surface varies in porosity.

**Solution:** Keep a wet edge while applying sealer.

Ensure a clean surface before application.

Application of additional coats for a even appearance.

### **Concrete losing shine or wears off soon after application**

Cause #1: Sealer losing bond to concrete surface.

Cause #2: Use of chemicals.

Cause #3: Expectations too high.

**Solution:** Losing bond may be fixed by rolling xylene onto surface.





