

DRIVEWAYS - BROOM FINISH (NEW CHEMICAL CURE)

To reduce concrete popping and shaling as a chemical cure apply two coats Protec III Chem RX (pg 12a). In areas that have more concrete popping problems and where concrete absorbs water quickly, use 2 coats of Protec III Restore (pg 6a/6b). Coverage rate 300 square feet per gallon. Apply product after bleed water has evaporated, typically 4 hours after brooming. Spring and Fall season wait 6-8 hours. You can also wait until the next day because of the cooler conditions or if the pour is at the end of the day.

DRIVEWAYS - BROOM FINISH (OLD CONCRETE/EXISTING CONCRETE)

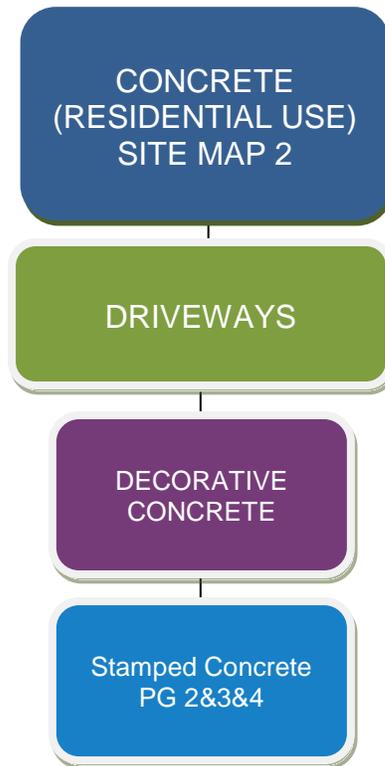
To help stop concrete popping and shaling. Wash concrete and let dry. Apply two coats of Protec III Chem RX (pg 12a) or Protec III Restore (pg 6a/6b) at a rate of 200 square feet per gallon.

DRIVEWAYS - BROOM FINISH (TO GIVE ADDITIONAL STAIN RESISTANCE)

If you want additional protection to bead water and increased stain resistance, apply over the Protec III any of the following:

- one coat of Dual-Tech (pg 2a,2b,2c) a water-based hardener and water repellent that leaves a natural color. For best results wait a minimum of 14 days.
- one coat Advance C15 (pg 4o) a solvent based acrylic, deepens color of concrete and gives a shine.
- one coat Premium Ready to Use (pg 4f) a solvent based acrylic that deepens the color of concrete and gives a shine.
- one coat Repel (pg 10a,10b) a waterbased Silicone water repellent that leaves concrete a natural color.

Approximately 250 square feet per gallon these products, except Repel apply at 250 sq.ft/gallon.



DRIVEWAYS - DECORATIVE CONCRETE

STAMPED CONCRETE - NEW

Note: Premium Acrylic and Advance Acrylic are compatible and can be used over each other. Several options for contractors:

New Pour

Can apply Advance Acrylic or Premium Acrylic within 4 days of placing concrete. Advance Acrylic or Premium Acrylic can both be applied during the day in temperatures up to 30C. Special care should be taken when sealing charcoal or black concrete.

1st Option

One coat Advance C15 (pg 4o) at a rate of 200 sq. ft/gallon. Once dry apply two additional coats Advance C25 (pg 4p) allowing 4 hours between coats. Broadcast Supergrip (pg 9a) in the 1st coat of Advance C25 while it is still wet to give traction. Most contractors use #20.

2nd Option

One coat Advance C15 (pg 4o) at a rate of 200 sq.ft/gallon. Once dry apply one coat Advance C25 (pg 4p) and then 4 hours later apply one coat Advance C30 (pg 4q) or Advance C35 (pg 4r). Broadcast Supergrip (pg 9a) on 1st coat of Advance C25 while acrylic is still wet to give traction.

3rd Option

Apply one coat of Premium Acrylic Ready to Use (pg 4f) at a rate of 200 sq. ft/gallon. Apply two additional coats of Premium Ready to Use 4 hours between coats. Broadcast Supergrip (pg 9a) in the 1st coat of while it is still wet to give traction. Most Contractors use #20.

4th Option

Apply one coat of Premium Ready to Use (pg 4f), apply 2nd coat of Premium Concentrate (pg 4a) diluted 1:1 with a compatible solvent. Apply 3rd coat of Premium Concentrate diluted 3:1 with compatible solvent. Let Premium Acrylic dry 4 hours between each coat. Broadcast Supergrip (pg 9a) in the 1st coat while it is still wet to give traction. Most Contractors use #20.

* Special Notes

TIME BETWEEN COATS

This will vary depending on temperature. If you apply the 3rd coat too soon or too thick, bubbles can appear. The bigger the bubble the easier it is to fix, time wise. Rolling Xylene on the bubbles will easily dissolve them.

If a lot of micro-bubbles form, and the sealer is blotchy looking, this means that not enough product was put on in order to properly adhere to the previous coat, this can happen when the concrete slab gets overly hot, normally on black concrete. In order to fix this, pour xylene (pg 16a) on the concrete in 3 x 3 squares in the affected areas. Use a roller and roll back and forth to melt the acrylic. Once cobwebs start to form, when rolling the acrylic with Xylene, this will be the time to stop. Do not over melt or dissolve the whole acrylic film, just the bubbles. Let the acrylic dry.

STAMPED CONCRETE - **Old/Existing with no acrylic left on the concrete**

Clean the surface first. If there is no shine on the existing concrete follow instructions for new concrete. If retail use option 1 or 3.

STAMPED CONCRETE - Old/Existing with some acrylic left on the concrete

If some shine is there apply two coats Advance C25 (pg 4p) or two coats of Premium Ready to Use (pg 4f) at a rate of 250 - 300 square feet per gallon. Broad cast Supergrip (pg 9a) while 1st coat is still wet, to give traction. The last coat of sealer is to help lock in Supergrip. Supergrip will give proper traction and will give a bit of sparkle in the sun. #20 Grit is the most popular size.

Retail: Apply 2 coats of Advance C15 or 2 coats of Premium Acrylic Ready to Use. Broad cast Supergrip (9a) while 1st coat is still wet, to give traction. The last coat of sealer is to help lock in Supergrip. Supergrip will give proper traction and will give a bit of sparkle in the sun. #20 Grit is the most popular size.



DRIVEWAYS - DECORATIVE CONCRETE

Exposed Aggregate (New)

Apply one coat of Advance C25 (pg 4p) at a rate of 200 - 250 sq. ft. per gallon.

Apply one coat of Advance C30 (pg 4q) or Advance C35 (pg 4r) Broadcast Supergrip (pg 9a) while the Advance C25 is still wet to give proper traction let dry.

or

Apply one coat Premium Ready to Use (pg 4f) then dilute Premium Concentrate (pg 4a) dilute 3:1 for the first coat. For additional coats dilute Premium Acrylic Concentrate 4:1.

Exposed Aggregate (Existing)

Retail - Apply two coats of Premium Ready to Use (pg 4f) or 2 coats Advance C25 (pg 4p) at a rate of 250 - 300 sq. ft/gallon. Make sure to apply Supergrip (pg 9a) while 1st coat of Premium Ready to Use or Advance C25 is still wet.

Contractor - Apply one coat Advance C25 (pg 4p) or one coat Advance C30 (pg 4q) or Advance C35 (pg 4r) depending on condition of the concrete and how much sealer is still there.

Note: If bubbles form, refer to Decorative Stamped Concrete Page 3.

CONCRETE
(RESIDENTIAL USE)
SITE MAP 2

WATERPROOF STUCCO
PG 6

Apply one coat of Repel (pg 10a,10b) at a rate of 125 sq.ft./gallon. Do not use on Acrylic Stucco.

Note: Plastic or paper all glass and windows before applying Repel. Do NOT spray directly on the plastic or paper during application to avoid leaking or soaking through. Remove plastic or paper immediately after each side of the structure is complete and clean up any drips on glass.



BASEMENTS - NEW CONCRETE AS A CHEMICAL CURE/CURE AID

Apply 2 coats of Protec III Chem RX (pg 12a,12b) next day after finishing at a rate of 300 - 400 sq.ft./gallon. During colder temperatures use less product and allow product extra time to penetrate the concrete. Do not puddle. Either roll or use a lint free pad to move product that is puddling to other areas.

To add a shine to concrete apply 2 coats of either Premium Ready to Use (pg 4f) Advance C15 (pg 4o) solvent based acrylic, or Cornerstone C309 waterbased acrylic (pg 14a). Apply once the concrete has cured 7 days.

If you want a natural finish with increased stain resistance, use either one coat of Dual-Tech (pg 2a,2b,2c) at a rate of 250 sq. ft./gallon or Repel (pg 10a,10b) at a rate of 200 sq.ft./gallon. Apply once the concrete has cured a minimum of 14 days.

These are estimated rates of application. The person applying the product will have to be responsible to pay attention to make sure coverage rates are appropriate for their particular concrete slab.



BASEMENTS - EXISTING CONCRETE

For the Basement floor apply 2 coats of Protec III Chem-RX (pg 12a,12b) at a rate of 300 sq.ft/gallon.

BASEMENTS - DUSTING CONCRETE

Apply 2 coats of Protec III Restore (pg 6a,6b) at a rate of 125 sq.ft/gallon. Also see Protec III Restore Strengthens and Hardens Poor Concrete (pg 6g,6h).

Make sure to keep the concrete surface wet for 30 minutes either by re-distributing the product that has puddled or by adding more product. The idea is to saturate the concrete surface thoroughly.

Use clean work footwear to walk on the concrete that is still wet with Protec III in order to redistribute or add more Protec III Restore.

After 1 hour, if there are any puddles remaining redistribute products and allow to dry 4 hours.

Apply the 2nd coat, same as the first and let dry overnight.

Test the concrete after the 2nd coat of Protec III Restore has dried 24 hours to see if the concrete surface is satisfactory. In most cases 2 applications is all that is needed. In the odd case where more is needed, apply the 3rd coat of Protec III Restore according to the application instructions above.



BASEMENT - RADON GAS

Apply 2 coats of either Protec III Chem RX (pg 12a,12b) or Pro-Pel (pg 1a,1b,1c,1d) following application instructions for Radon Gas. Moisten the surface with Protec III Chem RX or Pro-Pel by sprayer or microfiber pad. When spraying a spray nozzle that produces a flow of 1/4 gallon per minute under 40 psi is recommended. Spray in a fine fog pattern. Make sure concrete stays wet for 30 minutes by re-applying more Protec III Chem RX or Pro-Pel or by re-distributing the existing product using a micro-fiber pad. Do not allow the product to form puddles. After 30 minutes let the surface dry, no water flushing is needed.

After 1st coat has dried for 4 hours apply the 2nd coat of Protec III Chem RX or Pro-Pel. Follow the same procedure as the 1st coat. Typically 2 coats is all that is needed.

*Fix cracks after the application of Protec III Chem RX or Pro-Pel.

CONCRETE
(RESIDENTIAL USE)
SITE MAP 2

GARAGE PADS
PG 10

GARAGE PADS - NEW CHEMICAL CURE/CURING AID

Apply 2 coats Protec III Chem -RX (pg 12a,12b) approximately 4 to 6 hours after finishing operations. Next day is also fine. Apply 2nd coat 30 minutes after 1st coat. Keep in mind colder temperatures will slow down dry time and time between coats. Roll out puddles using 10 mil (1/4 inch) roller or lint free pad after each coat.

Special Note: What you will generally find is where the overhead door and main door are located, a third coat will be needed. Concrete dries out faster here and tends to be highly absorbent. When starting your application, always start in these areas. If you notice the Protec III soaking in fast, within 30 seconds, apply additional product here before moving to rest of garage, this additional products is still considered the 1st coat.

GARAGE PADS - EXISTING

Make sure floor is clean and dry. Apply 2 coats Protec III Chem -RX (pg 12a,12b). Apply 2nd coat 30 minutes after 1st coat. Keep in mind colder temperatures will slow down dry time and time between coats. Roll out puddles using 10 mil (1/4 inch) roller or lint free pad after each coat.

ADDITIONAL WATER AND STAIN RESISTANCE/CURED CONCRETE

For additional water resistance and stain resistance, use either one of the following options: Apply one coat of Dual-Tech (pg 2a,2b,2c) after 2nd coat of Protec III Chem RX (pg 12a,12b) has dried at a rate of 250 sq. ft/gallon.

Apply either one coat Advance C15 (pg 4c) or Premium Acrylic Ready to Use (pg 4f) 24 hours after the 2nd coat of Protec III Chem RX has dried at a rate of 250 sq.ft/gallon.

* Note Acrylic will leave the concrete surface slippery when wet, Dual-Tech does not make the surface slippery.

POLISHING

Use either Protec III Restore (pg 6a,6b) for a less expensive option to Lithiums. If you require a Lithium, use Pro-Pel (pg 1a,1b,1c,1d) which is a pure Lithium silicate. Pro-Pel does not contain sodium silicates or colloidal silicates. To give additional stain resistance use Repel (pg 10a,10b).

**These are estimated rates of application. The person applying the product will have to be responsible to pay attention to make sure coverage rates are appropriate for their particular concrete slab.



NEW SIDEWALKS/CURBING/GREY/ - NONDECORATIVE

To reduce concrete popping and shaling as a curing aid apply two coats Protec III Chem RX (pg 12a,12b) in areas that have more concrete popping problems use 2 coats of Protec III Restore (pg 6a/6b). Coverage rate 300 square feet per gallon. Apply product after bleed water has evaporated, typically 4 hours after brooming. Spring and Fall season wait 6-8 hours or next day because of the cooler conditions.

Note: In western provinces of Canada we do not recommend membrane forming cures. The concrete tends to pop and shale badly when using membrane forming cures such as acrylics or hydrocarbon resin cures. This concrete popping and shaling is minimized greatly with Protec III.



SIDEWALKS/CURBING - DECORATIVE NEW

Apply one coat Advance C15 (Pg 4o) or Premium Acrylic Ready to Use (pg 4f) at a rate of 200 square feet per gallon.

Then apply 2 coats Advance C25 (pg 4p) at a rate of 250 square feet - 300 sq ft per gallon or Premium Acrylic Ready to use (pg 4f) . Broad cast Supergrip (pg 9a) on after the first coat of sealer to give traction. The last coat of sealer is to help lock in Supergrip. Supergrip will give proper traction and will give a bit of sparkle in the sun.

SIDEWALKS/CURBING - PREVIOUSLY SEALED

Option #1

Apply 2 coats of Advance C15 (pg 4o) or 2 coats of Premium Ready to Use (pg 4f) at a rate of 250 sq.ft/gallon.

Option #2

Apply 2 coats of Advance C25 (pg 4p)