



ARENAS - NEW

Apply 1 coat of Protec III Chem RX (pg 12a,12b) for hardening and dust-proofing concrete. Applying 2 coats of Protec III Chem RX will give a better result because concrete does not absorb penetrating hardeners evenly. The second coat takes care of these areas. With use, the concrete will polish up to a shine. Apply 2nd coat after most of the first coat has soaked in. Application rate is approximately 300 sq.ft./gallon on 1st coat, 500 sq.ft/gallon on 2nd coat.

If concrete is water-cured, wash floors thoroughly and let dry before applying Protec III Chem RX. If puddles form after 1 hour, roll out the puddles or use a micro-fiber pad to redistribute product.

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.

CONCRETE
(COMMERCIAL USE)
SITE MAP 1

GYPSUM BASED
OVERLAYS
PG 2

GYPSUM BASED OVERLAYS

Use Gyplock (pg 8a)

To dustproof and harden gypsum based underlayments. Two coats are required. Depending on how absorbant the gypsum is, expect between 150-250 sq.ft./gallon.



WAREHOUSE - NEW CURE - Cure and Seal Plus Hardener

Use one coat with Protec III with Acrylic Membrane (pg 11a) at a rate of 300 square feet per gallon. Meets ASTM C309. Use within 6 hours of finishing.

Note: In winter allow more time, the concrete is cold, moisture dew point is high, so you need to wait longer for application. Usually 6 - 12 hours after finishing.

Apply 1 coat of Protec III Chem RX (pg 12a,12b) as a curing aid plus hardener next day after finishing concrete. Applying 2 coats of Protec III Chem RX will give a better result because concrete does not absorb penetrating hardeners evenly. The second coat takes care of these areas. Application rate is approximately 400-500 square feet per gallon.

Note: In winter applications, concrete is colder and moisture dew points are higher, so dry times will take longer, possible have to wait an additional 1/2 day before applying Protec III Chem RX.

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.

WAREHOUSES - NEW - CURE AND SEAL only
SOLVENT BASED ACRYLIC

Either apply 1 coat of Advance Cure and Seal (pg 14d) for solvent based acrylics. This product meets the VOC requirement of 350 g/l. Premium Ready to use (pg 4f) and Advance C15 (pg 4o) are at 400 g/l. Apply at a rate of 200 square feet/gallon. Apply once the bleed water has evaporated.

In winter concrete is colder and the dew point is low, so you have to wait longer for the bleed water to evaporate properly before applying these cure and seals.

WAREHOUSES - NEW - WATERBASED ACRYLIC CURE AND SEAL only
Apply one coat of Cornerstone C309 (pg 14a) or Cornerstone R20 (pg 14b,14c) at a rate of 250 sq.ft/gal. In winter concrete is colder and the dew point is low, so you have to wait longer for the bleed water to evaporate properly before applying these cure and seals.

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.



WAREHOUSES NEW - HARDENER PLUS INCREASED STAIN RESISTANCE Apply one coat Dual-Tech (pg 2a,2b,2c) after concrete has cured for a minimum of 14 days apply at a rate approximately 300 sq.ft/gal. If you need a curing aid apply Protec III Chem RX (pg 12a,12b) then after a minimum of 14 days apply Dual-Tech (pg 2a,2b,2c). The longer that the concrete is allowed to cure, the better the water repellent in Dual-Tech will perform.

WAREHOUSE APRONS - NEW

To cure apply 2 coats of either Protec III Chem RX (pg 12a,12b) or Protec III Restore (pg 6a,6b).

Note: In western provinces of Canada we do not recommend membrane forming cures on exterior concrete. 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 Chem RX (pg 12a,12b).

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.



VAPOR TRANSMISSION

Apply 2 coats of either Protec III Chem RX (pg 12a, 12b) or Pro-Pel (pg 1a,1b,1c,1d). Wet down the surface with the product by sprayer. 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 product or by re-distributing the existing product using a micro-fiber pad or roller. 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 Pro-Pel or Protec III Chem RX. Follow the same procedure as the 1st coat. Typically 2 coats is all that is needed.

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.



WAREHOUSES NEW - POLISHING

Use either Protec III Restore (pg 6a,6b) for a less expensive option to Lithiums.

Coverage for Dense Concrete is 300-400 sq.ft./gallon. Coverage for Ground Concrete is 400-600 sq.ft./gallon.

If you require a Lithium, use Pro-Pel (pg 1a,1b,1c,1d) which is a pure Lithium Silicate which does not contain sodium silicates or colloidal silicates.

Coverage for Ground Concrete is 400-600 sq.ft./gallon. Coverage for Power Trowel Concrete is 300-400 sq.ft./gallon.

For added stain resistance apply one coat of Repel (pg 10a,10b). Coverage on Polished Concrete is 500 sq.ft./gallon.

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.



WAREHOUSE EXISTING - HARDEN AND DUSTPROOF

To dustproof use 2 coats of Protec III Chem RX (pg 12a,12b) at a rate of 300 sq.ft./gal. If heavy dusting exists, use 2 coats of Protec III Restore Strengthens and Hardens Poor Concrete (pg 6g,6h) at 125 sq.ft./gal making sure to follow instructions. If you want to dustproof and give a non-slip stain resistant floor use 1 coat of Protec III Chem RX (pg 12,12b) plus 1 coat of Dual-Tech (pg 2a,2b,2c) .

WAREHOUSE APRONS - EXISTING

On existing use 2 coats Protec III Chem RX (pg 12a,12b) or Protec III Restore (pg 6a,6b) if you want a non-slip stain resistant surface as well, apply one coat of Dual-Tech (pg 2a,2b,2c). If you want a shine to the surface, apply Advance C15 (pg 4o) which is a solvent based acrylic. Use Cornerstone R20 (pg 14b,14c) for a water-based alternative. Keep in mind that solvent based acrylics are more durable than the water-based acrylics. If you want a clear water-repellent that does not have a hardener in it like Dual-Tech (pg 2a,2b,2c) 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.

CONCRETE
(COMMERCIAL USE)
SITE MAP 1

AGRICULTURE
PG 9

AGRICULTURE

HOG/DAIRY/CHICKEN BARNES

Use 2 coats Protec III Chem RX (pg 12a,12b). For slats use 2 coats Protec III Restore (pg 6a,6b).

POTATOE SHED

Apply 2 coats of either Protec III Chem RX (pg 12a,12b). Wet down the surface with product 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 product 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. Follow the same procedure as the 1st coat.

Protec III Chem RX is food safe. Typically 2 coats is all that is needed.

FERTILIZER PADS

Use 3 coats Protec III Chem RX (pg 12a,12b). Wet down the surface with Protec III Chem RX 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 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. Follow the same procedure as the 1st coat. After 2nd coat has dried for 4 hours follow the same procedure as the first coat to apply the final coat.

CHEMICAL STORAGE

Use 2 coats Protec III Chem RX (pg 12a,12b).



PARKADES - NEW

Use 2 coats Protec III Chem RX (pg 12a, 12b) as a curing aid plus hardener next day after finishing concrete. Apply 2nd coat after most of the first coat has soaked in. Application rate is approximately 300-400 square feet per gallon.

Note: In winter applications, concrete is colder and moisture due points are higher, so dry times will take longer, possible have to wait an additional 1/2 day before applying Protec III Chem RX.

Apply one coat Dual-Tech (pg 2a,2b,2c) after concrete has cured for a minimum of 14 days apply at a rate approximately 300 sq.ft/gal. If you need a curing aid apply Protec III Chem RX (pg 12a,12b) then after a minimum of 14 days apply Dual-Tech (pg 2a,2b,2c). The longer that the concrete is allowed to cure, the better the water repellent in Dual-Tech will perform.

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.



PARKADES - OLD

Make sure to thoroughly clean and de-salt the concrete. If there is a lot of road salt in the concrete, Protec III can push contaminants out of the concrete, which can cause staining.

To dustproof use 2 coats of Protec III Chem RX (pg 12a,12b) at a rate of 300 sq.ft./gal. If heavy dusting exists, use 2 coats of Protec III Restore Strengthens and Hardens Poor Concrete (pg 6g,6h) at 125 sq.ft./gal making sure to follow instructions. If you want to dustproof and give a non-slip stain resistant floor use 1 coat of Protec III Chem RX (pg 12,12b) plus 1 coat of Dual-Tech (pg 2a,2b,2c) .

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.