



Q&A

Protec III: Chem RX

TESTIMONIALS

" I love this stuff...we have no shale pops or shrinkage cracks, not like we used to have with the curing compounds or cure and seals we used to use."

Harold's Concrete
Saskatchewan

... Protec III: Chem RX slows down the cure and increases the psi, and I don't have to worry about peeling.

LG Concrete
Saskatoon, SK

"... the concrete (warehouse floor) no longer dusts, the product makes the concrete reflect light extremely well, and it is easy to keep clean."

Isaac Hiebert
GrandWest Enterprises Inc.
Saskatoon, SK

..."We are pleased with the results, this is a very good product."

Doug Mitchell Vice President
The Rent-It Store
Saskatoon, SK

..." Protec III: Chem RX has been very successful in halting any further deterioration.."

Michele Cruise-Pratchler, R.M.A.
Administrator

Problem Free Concrete.

With the rapid changes in mix designs of concrete, there isn't much predictability for the contractors from one pour to another. The equalizing factor that can ensure the contractors have problem-free concrete every time is by using Protec III: Chem RX. It takes the guesswork out of concrete, and solves the problems before they even appear. Most issues are a result of weak bonds formed within the concrete during the curing process. When these weak bonds are strengthened by using Protec III: Chem RX, high density problem-free concrete is the result.



If you could drastically reduce all the worries and problems of finishing concrete....would you?



Q&A

Protec III: Chem RX

Can Protec III: Chem RX be applied over a coating?

No, it cannot. This product has to penetrate into the concrete so before application of Protec III: Chem RX you need to remove all membrane forming coatings.

Why am I now having problems with dry shake hardeners?

With the increased use of super plasticizers (water reducers), fly ash, retarders and other additives, today's concrete has become increasingly incompatible with dry shake hardeners. Dry shake hardeners need moisture to work properly. The less moisture required in today's concrete inadvertently affects the proper incorporation of dry shake hardeners into the surface creating havoc for the contractor.

Do I need certified installers or special equipment for Protec III: Chem RX?

No, you do not. We designed Protec III: Chem RX to be easy to apply without special equipment or training. Protec III: Chem RX keeps the cost down for installation and because it can be applied easily by the concrete contractor, it keeps the subcontractors (certified installers) off your concrete floor. This gives the contractor more control over their projects. If certified installers are required and they are not in your local area or available - project managers, engineers and architects are now dealing with time constraints and increased costs for the project to be completed properly.

I've been told that concrete doesn't need to be Cured, is this true?

We've heard this statement periodically over the years and then one year later these same people ask how can they fix their shaling and popping concrete. Back 40 to 50 years ago, when they had proper curing practices in place without any of the additives and admixtures currently being used in concrete mix designs, cures were not as necessary. That was a generation ago and is not today's reality.



Q&A

Protec III: Chem RX

What type of concrete can I put this on?

Use Protec III: Chem RX on new or old concrete. You can apply Protec III: Chem RX to power trowel concrete for warehouse floors, parking aprons, garage pads, sidewalks, driveways, arena slabs, parkades and much more.

What can I do to dust-proof my concrete?

What you will use depends on how badly the concrete is dusting. For lightly dusting concrete, use Protec III: Chem RX. For severe carbonation or dusting, use multiple coats of Protec III: Chem RX.

Will Protec III: Chem RX make my floor shiny?

Initially, on most concrete it will not. Protec III: Chem RX is a penetrable sealer and not a surface membrane like acrylics, urethanes or epoxies. For power trowel surfaces with wear from high traffic or with a floor scrubbing machine the floor will polish up to a shine.

Can I seal my concrete without it being slippery when wet?

Yes, you can. Protec III: Chem RX will NOT make your floor slippery when wet. Protec III: Chem RX does not create a surface membrane like acrylics, floor paints, urethanes or epoxies which are definitely slippery when wet.

Curing of concrete is important to having good concrete, what is the best product to use?

Most contractors use Protec III: Chem RX as a curing aid because it does not form a membrane on the surface of the concrete which can cause concrete popping in bad aggregate locations. Using Protec III: Chem RX as a curing method slows down the moisture evaporation rate without locking too much moisture into the concrete. This produces stronger more durable concrete. Contractors find that using Protec III: Chem RX on freshly poured concrete will virtually eliminate the popping and surface shaling that used to happen when applying other forms of curing materials such as acrylic cure and seals or green cures.



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Protec III: Chem RX

I'm using dry shake hardeners now, and it is getting almost impossible to incorporate them properly into the concrete surface, is there anything better out there that is safe to use?

Protec III: Chem RX is proven to work with all types of concrete mix designs as a surface hardener. Other liquid hardeners and dry shake hardeners are labor intensive and more expensive not only in the initial cost of the product but with the associated costs of health and safety and the disposal of hazardous waste of the liquid hardeners. Contractors are finding that Protec III: Chem RX eliminates the problems they were having with surface delaminations when using dry shake hardeners.

What is safe to use and has 0 VOC's that is readily available for the contractors to use?

Protec III: Chem RX has 0 VOCs, and is safe to use for the contractors without having to deal with the dangerous, highly flammable fumes of the typical cure and seals. Health and safety inspectors have completely shut down projects because the contractors were not equipped properly when using the flammable cure and seals. This will never happen with Protec III: Chem RX.

Will Protec III: Chem RX work with colored concrete?

Yes, it can. We recommend boat floating into the concrete surface at a rate of 350-400 sq/ft per gallon, making sure that no puddles form.

What do I use to protect my broom finished driveway?

Protec III: Chem RX is recommended for all new driveways. Apply this product once the bleed water has evaporated for an effective curing aid and hardener. This will make your concrete more resistant to freeze thaw damage and concrete popping. Apply the second coat next day after the saw cuts and forms have been removed.



Q&A

Protec III: Chem RX

How does Protec III: Chem RX compare to other liquid hardeners with ease of application?

Protec III: Chem RX was designed to be easy to apply without the need of certified installers. Other liquid hardeners tend to have a larger molecule size which requires scrubbing, re-emulsifying and removal of excess product which will not penetrate. This is a very costly procedure with labor and disposal of hazardous waste. Protec III: Chem RX has a very small molecule size which does not require scrubbing, re-emulsifying and removal of excess product because it has a high rate of penetration.

What is the price of Protec III: Chem RX per square foot?

Protec III: Chem RX is approximately 6 cents per square foot per coat.

Is Protec III: Chem RX food safe?

Yes, this product is approved food safe by Agriculture Canada.

How do I apply it?

Protec III: Chem RX requires no special equipment, you can either spray or roll the product on. If the product forms puddles, remove them by rolling the product to a dryer area. Concrete floors are not perfectly flat, puddles may form in uneven areas.

How do I maintain a floor treated with Protec III: Chem RX?

Use a neutral to high pH detergent to clean the floor. Clean spills immediately. See the Technical Data Sheet for complete maintenance program.

What is that white powdery stuff on my concrete?

It is likely efflorescence which is a salt which comes from ground water and migrates through the concrete and destroys it. Protec III: Chem RX will help reduce that. Efflorescence is usually associated with water problems.



Q&A

Protec III: Chem RX

Why do engineers specify Protec III: Chem RX into their projects?

Engineers specify Protec III: Chem RX into their projects because it is an economical trouble-free hardener and curing aid for warehouse floors that has extensive ASTM Test Results. This product meets the LEED requirements for a cure and seal and hardener.

Why do architects specify Protec III: Chem RX into their projects?

Architects specify Protec III: Chem RX into their projects to dust-proof and make the floor easy to clean. With wear and tear this product produces a shine which increases light reflection for warehouse floors.

Does Protec III Chem-RX meet the LEED requirements?

Yes, it does. — This product meets the LEED requirements.

What can I do to make my concrete chemical resistant?

Apply one to two coats of Protec III: Chem RX to concrete for chemical resistance. — Typical application for harsher environments require 3 coats.

Is Protec III: Chem RX VOC Compliant?

Yes. — Protec III: Chem RX has no VOCs. A common assumption is that water based products are safe to use, but most water based products have VOCs. VOCs in most water based products are more unsafe to use than solvent based VOCs because they are water soluble and can enter the body more readily through handling.



Q&A

Protec III: Chem RX

What is your warranty?

Replacement of defective product.

How do I do a simple test to see how hard Protec III: Chem RX makes my concrete?

Apply two coats of Protec III: Chem RX to a 1 square foot area. Let this dry overnight. Use a file to abrade the treated, and untreated concrete to compare the difference in hardness. This will be a quick indication in the increase of hardness.

Can I coat over a surface treated with Protec III: Chem RX?

Yes, you can apply any other floor coatings over top of Protec III: Chem RX. You should not apply a floor coating over "Protec III: Acrylic Membrane" because it is membrane forming.

What can I use to stop my concrete from popping?

We have seen a decrease of over 90% as a result with the simple use of one application of Protec III: Chem RX as a curing aid.

What will Protec III: Chem RX do for my garage floor?

Protec III: Chem RX will protect your floor from shaling and peeling from freeze thaw damage. Damage shows up where the overhead door comes down to the concrete pad and where you park your vehicles. Typically, this takes only one winter of freeze thaw cycles to happen. Years ago, when we used to apply the product on garage pads, we found where the overhead door was, Protec III: Chem RX would soak in immediately from the opening and back 5 to 6 feet. The rest of the concrete would take its normal time to soak in. This showed us how fast water and road salt could penetrate the concrete and cause damage and how important it was to apply the Protec III: Chem RX to protect the concrete floor from this environment.

Can I use Protec III Chem-RX on arena slabs?

Yes, all arena slabs should use Protec III: Chem RX. Protec III: Chem RX hardens and densifies the concrete and stops damage from freeze thaw cycles leaving you a nice smooth dust-free surface.