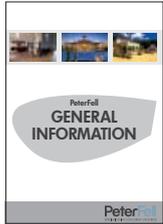




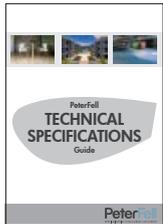
PeterFell
**FINISHING
PROCESS**
Guide

The PeterFell Finishing Process Guide outlines the PeterFell Finishing Process - the cleaning, grouting, preparation, and sealing of coloured concrete floors. This guide is essential for all contractors or home handy persons about to undertake this part of the PeterFell System.

For an overview of the PeterFell System, or for full technical specifications, please refer to the following documents. For more information, including colour swatches, product information, and photo galleries, please visit www.peterfell.co.nz.



The PeterFell General Information Booklet provides an overview of the PeterFell System and is recommended to be read by anybody interested in using this system in their concrete project.



The PeterFell Technical Specifications Guide details all specification requirements for the PeterFell System. It is designed for use by specifiers, architects, designers and project managers. This guide details all aspects of the PeterFell System, including practical and design considerations, to enable successful execution in any project.

These documents, along with full product information, can be downloaded from our website at

www.peterfell.co.nz

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The PeterFell Finishing Process

The PeterFell System is not just about colour, it is about creating long lasting, durable and comfortable environments. To this end, this booklet details the last steps in the PeterFell System – the Finishing Process. This includes concrete cleaning, the grouting of cuts, and the preparation and sealing of concrete floors. This process can be conducted by any competent handy person - Peter Fell Ltd provides all required products, full easy to follow application instruction, and on-call help and support.

It is essential that all concrete floors are sealed. Sealing protects the concrete colour and the floor surface. The sealer acts to protect the concrete in several ways:

- By preventing staining and marking of the concrete surface.
- Minimising the build-up of dirt and contaminants on the concrete surface.
- Stopping water intrusion which can result in concrete dusting (efflorescence).

In the PeterFell System, internal concrete floors are further protected with PFL CoverSeal. This unique floor treatment is applied over the sealer, and provides a scuff resistant, non-slip, and stain repellent coating. This significantly reduces floor maintenance, giving the comfort and security required on an internal surface. In addition to the protective qualities, all PeterFell sealers also enhance the natural surface, resulting in a softer texture that looks great while being easy to clean. For example, as well as protecting the surface, application of PFL CoverSeal elevates the aesthetic appeal of even the most tired of concrete surfaces.

This guide serves to support the information provided in the PeterFell General Information booklet by describing the PeterFell Finishing Process in more detail. All PeterFell products described are manufactured to the highest standards, have a proven application history, and are all quality assured. The correct products must be selected and applied in accordance with the guidelines provided by Peter Fell Ltd.

The PeterFell Finishing Process can be broken into the following steps:

The PeterFell Finishing Process

Clean up

Protective covers are removed and any stains or contaminants removed.

Grouting

Decorative cuts are filled with PFL Non-Shrink Grout.

Surface Preparation

Surface laitance (efflorescence) is removed with PFL Surface Preparation and PFL Neutralizer & Cleaner to prepare the concrete for sealing

Sealing

Sealer is applied to enhance the colour and protect the concrete from staining and marking.

All products required for the PeterFell Finishing Process, along with full application instruction and health and safety information, are available from Peter Fell Ltd. The team at Peter Fell Ltd can advise on material and quantities required for your job, as well as providing help and support at any time. If any of the processes are unclear, or you require professional assistance, please contact Peter Fell Ltd before proceeding with any work.

Contents

The steps in the PeterFell Finishing Process, and the products required for each step, are outlined below.

Step 1 Clean up pg 5

When the concrete is fully cured, and all major construction or landscaping has been completed, it can then be sealed. First, the floor must be thoroughly cleaned, and any contaminants or marks removed.

Step 2 Grouting pg 8

All decorative cuts are filled with PFL Non-Shrink Grout, which can be coloured and finished to your specifications.

Step 3 Surface Preparation pg 10

The application of an 'etching' solution is essential to remove surface laitance present on the surface of all new concrete. The use of a PFL Surface Preparation solution, in conjunction with PFL Neutralizer & Cleaner, remove this laitance and prepare the floor for sealing.

Step 4 Sealing pg 12

Sealing is the final step in the finishing process. The sealer will act to protect the concrete, and will ultimately determine the final look and finish of the floor. A range of sealers are available from Peter Fell Ltd, and it is essential that the correct sealer type is chosen for the appropriate application.

Maintenance pg 18

The PeterFell System requires minimal on going maintenance. However, there are several processes that should be followed to maintain your concrete floor in optimal condition.

Order Details pg 20

A checklist of the PeterFell Finishing Process ensuring you have all the correct products required to complete your PeterFell floor.

Step 1 Clean up

When the concrete floor is fully cured, and all major construction or landscaping has been completed, it can then be sealed. First, the floor must be thoroughly cleaned, and any contaminants or marks removed.

Products Required: PFL Neutralizer & Cleaner

? When can I seal my floor?

Concrete can only be sealed when it has completely cured:

Do not seal any concrete under 28 days old.

If concrete is sealed before it is completely cured both the concrete surface and the sealer will be compromised, necessitating removal and re-application of the sealer.

? Can I seal the floor myself?

Yes - The PeterFell Finishing Process can be conducted by any competent handyperson. This guide outlines the sealing process - see Step 4: Sealing (pg 13). Peter Fell Ltd can provide all required products and full application instruction. However, if you are unsure about any aspect of application it is recommended that a professional tradesperson is employed. For more information contact Peter Fell Ltd.

? When do I start preparing my floor for sealing?

You must wait at least 28 days after the concrete is placed before it can be sealed. After this period the first step is to remove protective covering placed over the concrete during the curing process.

Protective covers must be removed *at least* 1 week prior to sealing.

This period may be longer in winter, and is required to ensure all moisture trapped in the surface of the concrete under the covers is allowed to dissipate. To facilitate the drying process, protective covers may be lifted from internal surfaces once curing is complete and the site is weather tight. Under floor heating (run at low temperature), and dehumidifiers will also aid the drying process. Do not use heaters to dry the floor as this will increase humidity which will slow the drying process. Externally, once the slab is cured the polythene may be discarded or replaced with more protection that allows the concrete to dry more efficiently i.e. cardboard. However, once the polythene is removed, caution should be exercised to minimise the risk of staining and marking of the concrete surface.

? My floor looks like a mess - what happened?

Don't panic! When the covers are first removed the floor will look patchy, dusting, and blotchy - this is completely normal. These elements will not be present in the finished floor, and simply represent surface laitance present on all new concrete. As there is colour in the floor this laitance is more 'dramatic' in appearance, but is removed as part of the finishing process. Only when this laitance is removed (using PFL Surface Preparation) will the true colour of the floor be revealed.

? What do I clean my floor with before sealing?

It is critical ALL contaminants are removed from the floor prior to commencement of sealing - any marks or stains will be amplified by the sealer. When cleaning or removing contaminants, take care not to excessively abrade the surface - changes in surface texture and appearance will be highlighted by the sealer. Also it is essential that an appropriate method is employed to remove a contaminant, and that the cleaning agent or procedure will not have a detrimental effect to the concrete surface, or prevent subsequent application of a sealer.

For detailed instruction on cleaning concrete for sealing refer to the 'Concrete Cleaning' guide available from Peter Fell Ltd. This guide outlines the products required to prepare the concrete for sealing, and outlines how to remove common contaminants from concrete.

? What do I use to clean my floor once its sealed?

PFL Neutralizer and cleaner can be used to clean any concrete surface, both inside and out, without compromising the sealer. For more information on maintaining and cleaning your concrete floor refer to the Maintenance section on page 15 or contact Peter Fell Ltd.

Step 2 Grouting

All decorative cuts are filled with PFL Non-Shrink Grout, which can be coloured and finished to your specifications.

Products Required: PFL Non-Shrink Grout

Optional: PFL Special Colour, PFL Grout Gun, PFL grout tape



What do I fill the cuts with?

All decorative cuts should be filled with **PFL Non-Shrink Grout** (see following page for application instructions). PFL Non-Shrink Grout is a specially designed shrinkage-compensated grout with excellent substrate adhesion, is non-corrosive, non-toxic, and impact resistant. It is recommended that grouting is conducted using a **PFL Grout Gun**, although it can be applied by trowel providing cut lines are prepared with **PFL Grout Tape**.



What colours does PFL Non-Shrink Grout come in?

PFL Non-Shrink Grout can be coloured using any of oxide in the PFL Colour range. Most commonly, the concrete colour is also used as the grout colour. As PFL Non-Shrink Grout is a slightly darker base colour than concrete when oxide is used in the grout it will also appear darker, offering a subtle contrast whilst retaining the same colour tone as the concrete. However a lighter or darker colour can be used for a contrast, or the grout can be left in its natural colour. As the colour is added to the grout on site, colour tone can be adjusted to suite individual requirements.



Is it like grouting ceramic tiles?

No - PFL Non-Shrink grout must be delivered as directly to the cut lines as possible. If grout is spread over the concrete surface it will contaminate the concrete. Similarly, when applying the grout any wet grout must not be cleaned up (either with water or a wet cloth), as this will simply spread the grout leading to increased contamination. For this reason it is recommended that a **PFL Grout Gun** is used to apply PFL Non-Shrink Grout. While very easy to use, the PFL Grout Gun simplifies application, significantly reducing the chance of contamination. For full application instructions see following page.



Should I seal the floor before I grout?

No - while sealing protects the floor from staining and marking, it is recommended that sealing is the last step. If the floor is sealed prior to grouting it will be damaged and stained by the grout and will need to be removed, the surface prepared again, and re-sealed. The grout will also need to be sealed.



Can I grout the construction cuts?

Construction (or expansion) joints are typically only 3 mm wide with a much greater depth than decorative cuts making them very difficult to grout. It is recommended that a decorative cut is placed over top of the construction cut (even if no other decorative cuts are being done), to simplify grout application.



Will the grout pull away from the sides or crack?

PFL Non-Shrink Grout is engineered with a unique 2-stage shrinkage compensation mechanism. Along with excellent substrate adhesion means the grout is specifically designed not to pull away from the sides of cuts. However, in cases of excessive slab movement, due to design or environment, any stresses or cracking will occur down construction cuts (what they are designed for). This movement can result in cracking (typically fine hairline cracks) or 'popping' of cementitious grout - even PFL Non-shrink grout with impact resistant compounds. In these extreme cases a more flexible material should be used - contact Peter Fell Ltd for further information

Step 3 Surface Preparation

The application of an 'etching' solution is essential to remove surface laitance present on the surface of all new concrete. The use of a PFL Surface Preparation solution, in conjunction with PFL Neutralizer & Cleaner, removes this laitance and prepares the floor for sealing.

Products Required: PFL Surface Preparation or PFL Eco Surface Preparation, PFL Neutralizer and Cleaner

? Do I have to 'etch' my floor before sealing?

Yes - it is critical that the floor is treated with **PFL Surface Preparation** or **PFL Eco Surface Preparation** prior to application of any sealer. PFL Surface Preparation removes surface laitance (efflorescence) present on the surface of all new concrete. This contamination can only be removed using PFL Surface Preparation solutions, PFL Neutralizer & Cleaner (or any other detergent based cleaner) will not effectively remove surface laitance. If this laitance is not correctly removed the sealer will not be able to adhere correctly to the concrete surface, resulting in the delamination of the sealer

? Will PFL Surface Preparation change the appearance of my concrete?

PFL Surface Preparation removes surface contamination (laitance) and subsequently acts to reveal the 'true' colour and finish of the floor. This standard application (mild etch) is essential in the preparation of the floor for sealing, and will not alter the inherent floor characteristic.

However, PFL Surface Preparation can be used to alter both the texture and finish of the floor by adjusting solution strength and treatment time. It is essential that PFL Surface Preparation is correctly diluted and that a test area is completed to ensure dilution is appropriate for you application. The table below gives an indication of the effects of different dilution effects of PFL Surface Preparation or PFL Eco Surface Preparation:

Use of different PFL Surface Preparation strengths

Mild etch	Recommended for preparation of internal floors, or areas with minimal surface laitance. Will not significantly alter the texture and colour of the floor.
Medium etch	Recommended for preparation of external surfaces, or areas with significant surface laitance. Prolonged treatment exposes sand (and eventually aggregate), increasing surface texture and change the concrete appearance.
Heavy etch	Recommended only when heavy exposure or 'Sandstone Finish' of the concrete surface is required. Will significantly alter the appearance and texture of the concrete - proceed with caution!

? Will PFL Surface Preparation remove all contaminants?

No - While the PFL Surface Preparation solutions will remove surface laitance and other 'concrete specific' contaminants, they will not remove other common contaminants i.e. dirt, paint stains etc. It is critical that these contaminants are removed prior to treatment with PFL Surface Preparations - see 'Step 1. Clean up' for full instruction.

? Won't PFL Surface Preparation damage my walls, joinery, garden...?

While PFL Surface Preparations are dilute solutions they are extremely corrosive and will corrode most surfaces they come in contact with.

All susceptible surfaces must be protected prior to application of PFL Surface Preparation solutions

All vertical surfaces (walls, joinery etc) should be covered to an appropriate height to protect from spurious surface preparation solution (splashing). Ensure run-off from application does is properly neutralized (using **PFL Neutralizer & Cleaner**) before it contacts non-target surfaces i.e. paths, asphalt, gardens etc. All surrounding surfaces can be treated with PFL Neutralizer & Cleaner (diluted 20:1) prior to application of surface preparation solutions. Corrosive activity of PFL Surface Preparation solutions can be neutralized at any time by PFL Neutralizer & Cleaner.

? Do I need to use PFL Surface Preparation on ground concrete or exposed aggregate concrete?

It is not essential to prepare ground concrete using PFL Surface preparation solutions as the grinding process removes the surface laitance. Similarly, the exposing of concrete also removes surface laitance. However, if laitance returns prior to sealing, treatment with 'mild' solution of PFL Surface Preparation (or PFL Eco Surface Preparation) may be required.

Step 4 Sealing

Sealing is the final step in the PeterFell System. The sealer protects the concrete, and will ultimately determine the final look and finish of the floor. A range of sealers are available from Peter Fell Ltd, and it is essential that the correct sealer type is chosen for the appropriate application.

Products Required: PFL Sealer (PFL Epoxy Sealer or PFL Acrylic Sealer or PFL Glaze Sealer or PFL Natural Sealer), PFL Cover Seal (internal floors only).
Optional: PFL Primer Seal, PFL Anti-Slip, PFL Broom.

? Do I need to seal my concrete?

Yes - Sealing is essential to enhance and protect any coloured concrete floor. Sealing will determine the final appearance, both colour and texture, of the concrete. Sealing stops 'dusting' (efflorescence) forming on the concrete surface which masks the concrete colour (often mistaken for colour fading), maintaining the true floor colour. More importantly, sealing protects the concrete from staining and marking, an essential aspect of any flooring system.

? When do I seal my concrete?

The concrete must be completely cured and dry before it can be sealed.

Do not seal any concrete under 28 days old

If concrete is sealed before it is completely cured both the concrete surface and the sealer will be compromised, necessitating removal and re-application of the sealer.

As well as being fully cured, the concrete **MUST** be completely dry before any sealer can be applied. As the surface is protected during curing it is essential that all covers are removed to allow sufficient time for the concrete to completely dry.

Protective covers must be removed at least 1 week prior to sealing.

This period may be longer in winter, and is required to ensure all moisture trapped in the surface of the concrete under the covers is allowed to dissipate. To facilitate the drying process, protective covers may be lifted from internal surfaces once curing is complete and the site is weather tight. Under floor heating (run at low temperature), and dehumidifiers will also aid the drying process. Do not use heaters to dry the floor as this will increase humidity which will slow the drying process. Externally, once the slab is cured the polythene may be discarded or replaced with more protection that allows the concrete to dry more efficiently i.e. cardboard. However, once the polythene is removed, caution should be exercised to minimise the risk of staining and marking of the concrete surface.

? What do I seal my concrete with?

Peter Fell Ltd offers a range of sealing and finishing products (outlined over page) designed specifically for use on concrete floors. For further information on any of these products, including application instruction and pricing, please contact Peter Fell Ltd.

PeterFell Sealer Range

PFL Epoxy Sealer	<p>PFL Epoxy Sealer is a durable, easy to use epoxy sealer that provides a hard protective finish to interior concrete floors.</p> <ul style="list-style-type: none"> - For internal floors only (with PFL CoverSeal). - Provides high impact resistance and excellent floor protection. - Water based sealer - no fumes, VOC free. - Easy to mix, easy to apply, and quick drying. - Excellent damp and temperature tolerance during application. - Designed in New Zealand for New Zealand conditions.
PFL Acrylic Sealer	<p>PFL Acrylic Sealer is a durable sealer designed for application on internal and external concrete floors.</p> <ul style="list-style-type: none"> - For both internal and external floors. - Retains natural colour and finish of coloured concrete. - Not for high use areas or those subject to vehicular traffic i.e. driveways
PFL Glaze Sealer	<p>PFL Glaze Sealer is a highly durable, multi-purpose sealer, ideal for driveways and high-use areas.</p> <ul style="list-style-type: none"> - Accentuates the colour in concrete giving a 'wet look' finish. - Can be used with PFL Anti-Slip to improve grip on smooth concrete surfaces. - Can be used with PFL Glaze Primer to achieve a natural finish, similar finish to that of PFL Acrylic Seal, with the advantage of PFL Anti-Slip.
PFL Natural Sealer	<p>PFL Natural Sealer is a penetrating sealer that protects external concrete surfaces while retaining the natural look and feel of concrete.</p> <ul style="list-style-type: none"> - Does NOT form a coating on the surface. - Sealer forms cross linked matrix below concrete surface, minimising ingress of dirt and surface water. - Simply maintain the surface by cleaning with PFL Neutralizer & Cleaner.

In addition to these sealers, Peter Fell Ltd has the following sealer related products:

PFL Glaze Primer	<p>PFL Glaze Primer is used to prime concrete surfaces prior to application of PFL Glaze Sealer.</p> <ul style="list-style-type: none"> - Enables natural colour finish with PFL Anti-Slip. - Not for high use areas or those subject to vehicular traffic i.e. driveways
PFL CoverSeal	<p>PFL CoverSeal is a water based, anti-scuff, stain repellent floor treatment applied to all interior sealed PeterFell coloured concrete floors.</p> <ul style="list-style-type: none"> - Simply applied with a kitchen mop. - Apply routinely to rejuvenate any PFL floor.
PFL Anti-Slip	<p>PFL Anti-Slip can be added to PFL Glaze Sealer to provide improved texture and grip to smoothly finished concrete surfaces.</p> <ul style="list-style-type: none"> - Simply add to sealer, stir to suspend, and apply.

For more information on the PeterFell range of sealers, including application instruction and pricing, please contact Peter Fell Ltd.

? Which sealer do I use?

While all PeterFell sealers are of the highest quality, they were each designed for specific applications.

It is essential that the sealer selected is suitable for the intended application

The chart below outlines sealer options for common residential applications. PeterFell sealers can also be used in commercial, retail, and industrial applications. For assistance and advice on choosing the correct sealer for your project please visit our website or contact Peter Fell Ltd.

Choosing a sealer - residential floors

	PFL Natural Sealer	PFL Acrylic Sealer	PFL Epoxy Sealer	PFL Glaze Primer + PFL Glaze Sealer	PFL Glaze Sealer
House floor	✓	✓	⊙	✓	✓
Patio/Courtyard	✓	✓	✗	✓	⊙
Garage	✓	✗	✓	✗	⊙
Drive	✓	✗	✗	✗	⊙
Pool Surround	✓	✓	✗	⊙	✓
Tilt-slab walls	⊙	✓	✗	✗	✓
Plaster	⊙	✓	✗	✓	✓

Key: ⊙ Recommended ✓ Can be used ✗ Do NOT use

? Will the sealer make my floor slippery?

A common misconception is that if you seal the floor it will become slippery. The grip and texture of the finished surface is generated simply by the concrete itself. While the sealer coats the surface, the texture of the concrete is retained through PeterFell Sealers. All external concrete surfaces i.e. decks, driveways, pool surrounds, should be finished with a texture appropriate for the situation i.e. non-slip. However, if the concrete is not of a suitable texture, the concrete should be sealed with PFL Glaze Sealer containing **PFL Anti-Slip**. PFL Anti-Slip is simply added to the sealer, and improves slip-resistance on all flat concrete surfaces.



Can I seal the floor myself?

Yes - The PeterFell Finishing Process can be conducted by any competent handyperson. Peter Fell Ltd can provide all required products with full application instruction as well as additional help and support. However, if you are unsure about any aspect of application it is recommended that a professional tradesperson is employed. For more information contact Peter Fell Ltd.

Sealing Rules

The following list of rules are CRITICAL to the successful application of sealer to your floor.

DO NOT seal any concrete under 28 days old.

- It is essential that concrete is fully cured before PFL sealers are applied.

DO NOT apply to any surface to which a curing compound or any other surface treatment has been previously applied.

- PFL Sealers must be applied directly to the concrete surface, any coatings or compounds that prevent this must be completely removed prior to application.

DO NOT seal if the concrete (not atmospheric) temperature is below 12°C or above 30°C.

- The sealer will not cure properly if the concrete is too hot or too cold.

DO NOT apply in direct sunlight (i.e. midday) or high humidity.

- This will cause sealer to dry incorrectly affecting sealer cure.

DO NOT apply externally if rain is likely within 8 hours of application.

- If rain occurs before sealer is cured, sealer must be removed and re-applied.

DO NOT dilute any PFL sealer.

- Dilution compromises sealer durability and performance.

DO NOT add PFL Anti-Slip to PFL Acrylic Sealer/PFL Glaze Primer/PFL CoverSeal

- PFL Anti-Slip can only be added to PFL Glaze Sealer.

DO NOT apply PFL Acrylic Sealer/PFL Glaze Primer/PFL CoverSeal on high-use areas or areas subjected to vehicular traffic.

- PFL Glaze Sealer is only sealer to be used on vehicular traffic areas.

DO NOT apply PFL Glaze Primer only - must apply subsequent coats of PFL Glaze Sealer.

- PFL Glaze Primer is not a sealer.



What gloss levels do the sealers come in?

As with slip resistance, the final gloss level of the sealer is also dependent on the finish and texture of the concrete. The flatter the concrete the higher the gloss. Subsequently, if a high gloss is required i.e. for internal living areas, the concrete should be finished with as little texture as possible. Conversely, external surfaces are finished with more texture in order to introduce grip and slip resistance, and subsequently will be more matt finish. On internal floors, the gloss level is maintained using **PFL CoverSeal** - a water based, high gloss, stain repellent floor polish that is applied over PeterFell sealers. It is simple to apply, and can be built to a high gloss.

? Can I seal my old concrete?

PFL Sealers can be applied to any concrete providing the surface is properly prepared. When sealing old concrete:

All existing coatings must be completely removed.

PFL Sealers must be applied directly to the concrete surface. Any previous sealers or coatings which prevent this must be completely removed. In many cases this will have to be done mechanically i.e. grinding the concrete.

All surface contaminants must be completely removed.

Use appropriate cleaning agents to remove ALL surface contaminants. If floor is heavily contaminated or existing coatings cannot be completely removed it is recommended that PFL sealers are not used as chance of sealer delamination will be high.

? How long does the sealer last?

No concrete sealer will last forever. The life of your sealer is determined by sealer application, use, and environment. For typical application PeterFell sealers have a floor life of approximately 3 - 5 years but this is not guaranteed as the floor life of the sealer is very much dependent on preparation and application of the sealer which is beyond the control of Peter Fell Ltd. The sealer can easily be re-applied (see 'Step 5. Maintenance' for re-sealing instruction), to provide ongoing protection of the concrete surface.

Maintenance

The PeterFell System requires minimal on going maintenance. However, there are several processes that should be followed to maintain your concrete floor in optimal condition.

Products Required: PFL Neutralizer & Cleaner, PFL CoverSeal (internal only), PFL Algaecide

? How do I keep my internal concrete floor clean?

Once floor is sealed and treated with PFL CoverSeal very little maintenance is required. The floor can be cleaned with **PFL Neutralizer & Cleaner** using a cloth or mop. PFL Neutralizer & Cleaner can be diluted with hot water to improve cleaning efficiency. For full application instruction and product pricing please contact Peter Fell Ltd.

Do not use ammonia or amine containing cleaners or detergents

These detergents are very harsh and will cause irreparable damage to PFL CoverSeal (and other PFL Sealers), necessitating re-application to restore gloss and finish to the floor.

Clean up all spills immediately

PFL CoverSeal is designed to give a reasonable opportunity for clean up of spills. In some cases, PFL CoverSeal will act as sacrificial protection and will require re-application once the spill has been cleaned.

PFL CoverSeal must be routinely applied

To retain high gloss, anti-scurr, stain repellent properties of PFL CoverSeal it must be applied routinely - at least once every 6 months. The floor should be cleaned (as described above) prior to re-application.

? How do I keep my external concrete floor clean?

Once floor is sealed very little maintenance is required. The area can be cleaned by hosing or water blasting. Any spills or contaminants should be cleaned with **PFL Neutralizer & Cleaner** using a mop or yard broom (see 'Step 1. Clean up' for application instructions). PFL Neutralizer & Cleaner can be diluted with hot water to improve cleaning efficiency. Replace diluted solution when dirty.

? How do I clean moss and algae off my concrete?

Moss, lichen and algae can be removed from concrete surfaces using **PFL Algaecide**. PFL Algaecide is designed to kill moss, lichen, and algae, making it a more effective method of removing these contaminants than water blasting or cleaning alone. In targeting these organisms directly, it will also prolong their return, reducing ongoing maintenance required. While PFL Algaecide is designed to eliminate living moss, lichen and algae, it will not remove dead organisms. These are generally distinguishable as black surface contamination (as opposed to green contamination characteristic of living organism), and can only be removed by water blasting or cleaning as described above.

Order Details

Job details:

Area: m² Concrete Colour

Situation: Interior Patio/Deck Driveway Commercial
Ground/Polished Pool surround Other: _____

Grouting:

Cuts: m Finish: flush / concave **cost**

PFL Non-Shrink Grout: units:

Grout colour: Colour required: kg

PFL Grout Gun or PFL Grout Tape

Surface Preparation:

Strength: mild / medium / heavy **cost**

PFL Surface Preparation units:

or

PFL Eco Surface Preparation units:

PFL Neutralizer & Cleaner units:

Sealing:

ENSURE SEALER TYPE SELECTED IS SUITABLE FOR INTENDED APPLICATION **cost**

Sealer type

units:

PFL Anti-Slip units:

PFL CoverSeal units:

PFL Broom complete head only handle only

Cleaning and Maintenance:

cost

PFL Neutralizer & Cleaner units:

PFL Algaecide units:

TOTAL COST:

To place your order

phone: (09) 828 6460

e-mail: orders@peterfell.co.nz

fax: (09) 820 0722