

TCM Asia Co. Ltd.

NANO Technology & Surface Coatings



We protect your investment

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086 - 9439834
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Leaders in European surface protection technology

Flood Australia Products & Service Manual 2008

We serve surface protection technologies since 2002 in Thailand

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TCM Asia Spa & Deck

It's a breakthrough in exterior wood care



Have a look at this amazing demonstration Video
<http://www.floodaustralia.net/movies-asia.html>

It's Spa-&-Deck, and it's so advanced, you can apply it right after cleaning - while wood is still wet - so there are no delays to your schedule. **100% Acrylic - That's Tough**

Looking for strong protection? Spa-&-Deck uses the same acrylics used in the windshields of aircraft. If the airlines trust these acrylics to protect their investment, shouldn't you?

Lasts 3 to 5 Times Longer Than Oils Or Other Conventional Finishes

Spa-&-Deck is super-durable, lasting so much longer than ordinary finishes. That's because Spa-&-Deck was engineered to withstand the severe weather of the tropics.



Before application of Spa-N-Deck



After application of Spa-N-Deck



Marine Dock before Spa-N-Deck



Marine Dock after Spa-N-Deck

Apply While Wood Is Wet - And Get The Job Done Fast

Spa-&-Deck is unconventional because it is applied to wood with the surface thoroughly wet so you don't have to wait or wood to dry before finishing a job. Its unique design works with wet surface and the wood's natural moisture to penetrate the wood pores.

As Beautiful As It Is Tough

Of course, you want beauty along with durability. That's why Spa-&-Deck comes in 6 gorgeous pre-mixed colors: Sedona, Redwood, Weathered Grey, White, Cedar and Natural. Plus a spectrum of customer colors can be mixed to order.

						<p>Coverage on the application method, surface texture and porosity. Approximate coverage on rough or weathered surfaces 15 to 25 sqm per 4 litre can. On smooth and new surfaces 35 to 45 sqm per 4 litre can</p> <p>380.00 THB per m2 including Power Lift, Prep- Solution and Spa N Deck color 3 coats and labour – Ask for our - Long Term Low Maintenance concept.</p>
NATURAL	CEDAR	REDWOOD	DRIFTWOOD	SEDONA	WHITE	

So use the wood protection engineered to be as tough as it is fast: **Spa-&-Deck.**

SPA-N-DECK quick guide



BEFORE PROCEEDING READ CAREFULLY

Flood Spa N Deck is a breakthrough in exterior wood care. Tough and super durable, it lasts 3 to 5 times longer than oil finishes. Spa N Deck will protect and beautify all exterior soft and hardwoods. It is perfect for decks, fences, weatherboards, windows, doors and outdoor furniture.

SURFACE PREPERATION

Most deck coating failures are due to lack of proper surface preparation. To make sure that you do a great job, read these simple instructions carefully. The end result will be pleasing.

Flood Spa N Deck exterior timber finish is uniquely designed to be applied to wet timber. The first coat of Spa N Deck must be applied to a timber surface that has been **saturated with water** to achieve maximum penetration and performance. If prevailing conditions cause the timber surface to dry-out during the first application, the wood must be re-wetted. If there is a question as to whether the wood is wet enough, err on the **wet side**, particularly on a deck another horizontal surface.

Note only the first coat is applied using the wet method.

BEFORE YOU START

All wood, both old and new must be first treated with Spa N Deck Prep Solution. New hardwoods need tannins removed with Flood Powerlift prior to Spa N Deck Prep Solution. Remove all stains and sealers with Powerlift. Strip paint with a good stripper.

ATTENTION: Be sure to remove all traces of any pre-treatment with a power washer or the best mains pressure available.

PREVIOUSLY COATED TIMBER SURFACES

Flood Spa N Deck exterior wood finish can only be applied to bare timber surfaces. Remove wood sealers, oils and preservatives with undiluted Powerlift. To remove existing paint & varnish, use a suitable paint stripper.

EASY CHECK TO FIND IF THE TIMBER IS READY FOR APPLICATION OF SPA N DECK

Splash a few handfuls of water onto the surface. **READY:** If the water is quickly absorbed you can apply Spa N Deck. **NOT READY:** If the water beads and remains on the surface, the timber is too green or other materials is still present. See previously coated timber surfaces.

APPLICATION

Mix well before and periodically during application. Once preparations is completed and the surface is thoroughly rinsed, apply the first coat. With the timber wet and keep the timber wet (especially on decking or horizontal surfaces) during application. Work only enough area to maintain a "wet edge" to avoid lapping. Allow the first coat to dry (approximately 1 to 2 hours – the second coat to the dry surface. Three coats are needed for maximum durability and longevity.

TOOLS

Spa N Deck may be applied with a brush, roller or lamb's wool pad applicator. **CLEAN UP** in warm soap water.

NOTE

Brush a liberal amount into the gaps between planking and joints. Avoid unsightly lap marks. Always apply Spa N Deck with the grain and treat only 2 to 3 boards at a time for the whole length of the board.

COVERAGE

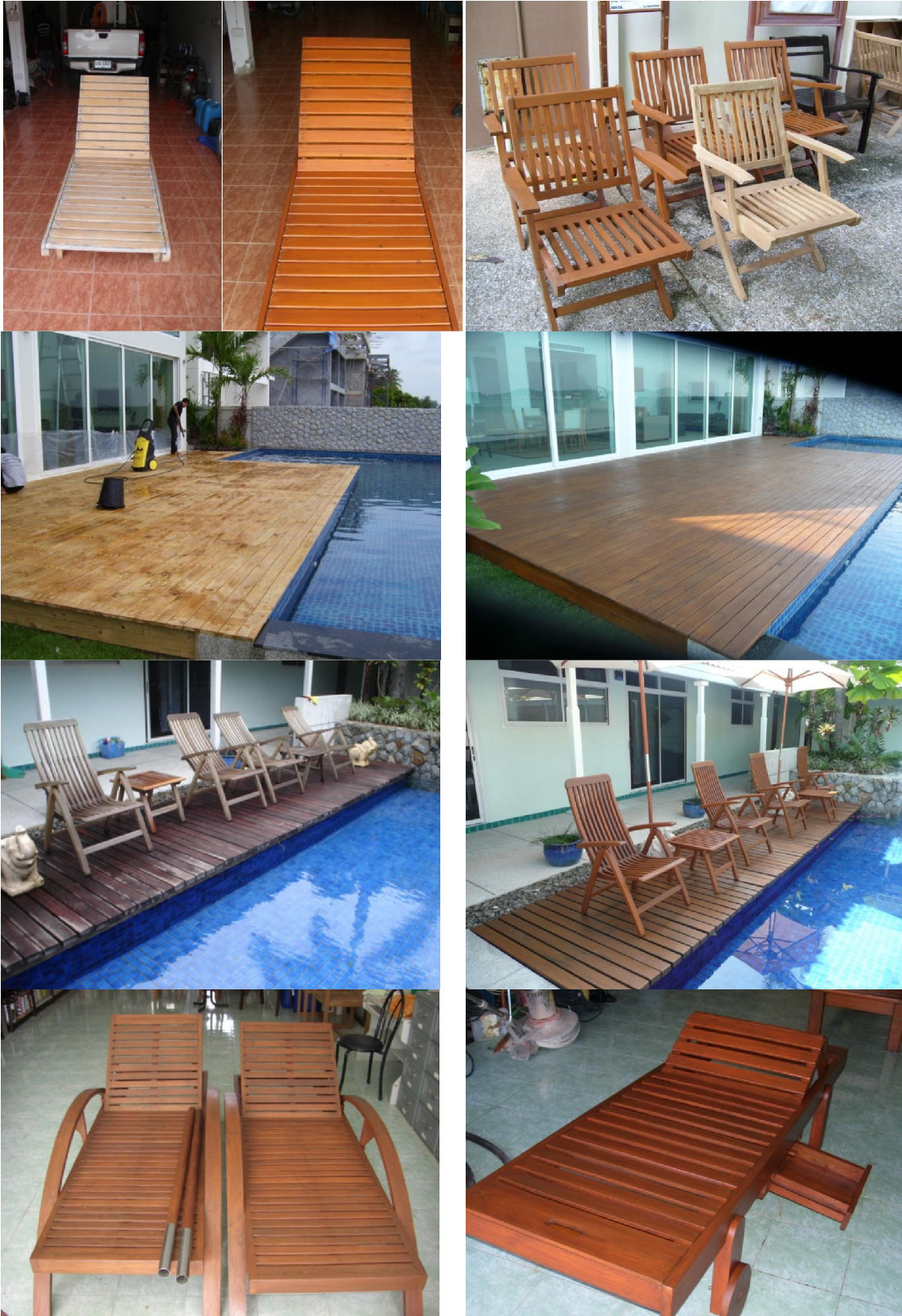
8-10 sq per liter per coat. Actual coverage varies according to surface texture and porosity. A three coat application is a must, and will give best results and longest life, up to double, especially on hardwood.

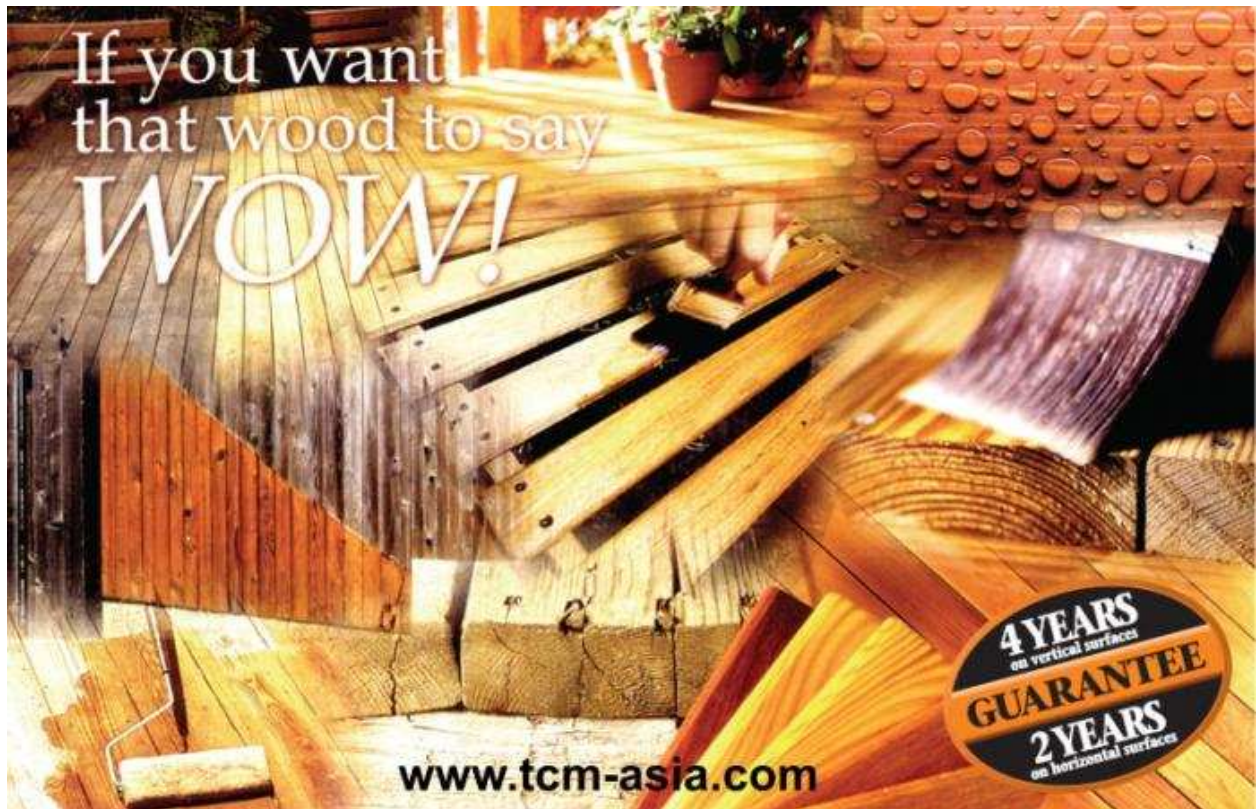
MAINTENANCE

To keep the timber looking like new every 12 to 18 months inspect the finish. Scrup any areas, which show wear and tear. Apply one coat Spa N Deck Prep Solution, rinse thoroughly. While the surface is still damp apply a liberal coat of Spa N Deck. Live to dry. Apply a second coat if necessary.



Samples of the magic result of SpaNDeck treatments





If you think about cost
You should really look at a new concept

Long Term Low Maintenance

On all exterior timber with TCM Spa N Deck

=

175 THB per m2

Each year **fix budged** including full service + **guarantee**

Spa N Deck – the finish that has changed woodcare forever



The magic results of the 5 step process – POWERLIFT + PREP SOLUTION + 3 coats SPA N DECK

**Once you change to the SPA N Deck – System –
You can just forget noisy and dusty re-grinding!!**

TCM Asia offers you the first application Spa N Deck for **380.00 THB** in full service.


After 2 years TCM will offer you a rework of the full area for **320.00 THB**.

All repair or touch up work caused of accident damage or because of heavy wear and tear would be reworked on m2 base for **310.00 THB** including labor.

Down calculated on 4 years your budged for a nice looking decking will be 700.00 THB / 4 years = **175.00 THB per m2/year**.

For your project calculation:

	Your m2	Full service first application	Total THB	remarks
today		X 380 THB		
		Full service second application		
In 2 years		X 320 THB		

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Guarantee

The Flood Company Australia warrants that FLOOD Pro Spa-N-Deck will protect against cracking, peeling or blistering for four (4) years on vertical surfaces such as weatherboards, fences, ect. and two (2) years on horizontal surfaces such as decks from the date of application. The warranty does not cover wood that was water damaged nor does it cover normal wear and tear. If Flood Pro Spa-N-Deck fails to perform as described above, Flood Australia will provide an equivalent of new product at no charge and TCM Asia will apply the product at no charge. The warranty does not include transportation cost and site set up like scaffolding or security equipment.



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Dekswood[®] Cleaner and Brightener For Exterior Wood



Restores natural colour and beauty to grey, weather-beaten wood.



Just add water to concentrated Dekswood.



Brightens wooden playground equipment.



Restores natural colour to wood.

- Cleans dirty, discoloured wood.
- Removes ground-in dirt, even nail stains, restoring a fresh, new look to your wood.
- Concentrated for better value.
- Will not harm surrounding plants or shrubs.
- Contains no bleach.
- Container is completely recyclable for easy disposal.



HOW WOOD SHOULD BE TREATED

Dekswood®

Cleaner and Brightener For Exterior Wood

Dekswood is a powerful cleaner and brightener which restores grey, weather-beaten exterior wood to its natural colour. A strong, affordable cleaner, Dekswood gets under and removes surface and ground-in dirt while restoring a bright, vibrant look to your exterior wood.

Why use Dekswood

Dekswood contains no bleach so it won't harm wood, or damage surrounding shrubbery or grass. Dekswood is versatile enough to clean pressure-treated wood, cedar, redwood, log homes, wood fences, exterior furniture, aluminium and vinyl siding, fibreglass, motor homes and more.

Best of all, Dekswood is concentrated. 4 litres of Dekswood mixed with water makes 20 litres or economical, highly-effective cleaner. Which gives you a value that's hard to beat.

How to apply Dekswood

- Mix concentrated Dekswood with water
- Allow solution to stand for at least 30 minutes.
- Sweep the surface clean; wet the surface with fresh water.
- Work Dekswood into the wood with a stiff nylon or natural bristle brush (do not use a wire brush).
- Rinse off with a garden hose or power washer.
- Allow the wood to dry 2 to 3 days before finishing.

If your deck has an old stain finish that must be removed, use Powerlift Deck Stain and Finish Remover from Flood.



Use Seasonite to preserve and protect new, untreated and pressure-treated wood.

Use CWF-UV to deeply penetrate and protect exterior softwood.

For exterior hardwood and pressure treated wood use 100% acrylic Spa-N-Deck from The Flood Company.



Coverage, clean up and storage

- 4 litres of Dekswood will clean up to 100 square metres.
- The Dekswood container is completely recyclable for safe, environmentally-friendly disposal.
- Clean up tools with soap and water.
- Keep from freezing.

Available Sizes:

1 litre, 4 litre, 20 litre.



HOW WOOD SHOULD BE TREATED

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Penetrol[®] Wood Oil

Multi-purpose wood oil to enhance the natural beauty of fine wood



Beautifies and protects wherever fine wood is used.



Makes an effective moisture barrier



Lets you make your own stain



Makes a great wood primer

Makes varnish spread easily



- Penetrates deep into the wood
- Keeps wood 'alive'
- Is non-toxic when dry
- Will never crack, blister or peel
- Primes, seals and hardens in one application
- Does not yellow
- Will not show finger marks

PENETROL WOOD OIL HAS MANY OTHER USES



HOW WOOD SHOULD BE TREATED

Penetrol[®] Wood Oil

Multi-purpose wood oil to enhance the natural beauty of fine wood

What is it?

PENETROL MULTI PURPOSE WOOD OIL is the classic approach to wood finishing. Used by knowledgeable tradesmen it has protected and beautified fine wood for many years. Based on natural oils, it is high in solids and extremely durable, easy to apply and easy to clean. It will not darken or yellow, crack or peel or show finger marks. Odour free and non-toxic when dry, Wood Oil is also very economical. Outperforming "Scandinavian" oils, Penetrol Wood Oil turns wood into furniture and is the preferred oil for many wood carvers.

How does it work?

With the time proven penetrating ability of Penetrol it goes deep into the wood fibres, becomes part of the wood and protects from within. It replenishes the natural oils, lost during the processing of the wood, and prevents the wood from drying out - the greatest threat to fine wood. Protecting, beautifying and rejuvenating - all in one operation.

What will it look like?

Depending on the application method you can choose from a rustic look, a satin finish or a hand rubbed luxurious silken touch. Either way the appearance of the wood will be enhanced and the grain highlighted. Old, dried out, tired wood will get a new life and furniture will look healthy again.

How long will it last?

For many years. When the surface starts to dull, simply clean and apply another coat of Penetrol Wood Oil.

Where to use it

On Furniture, Doors, Windows, Wall Panelling, Wooden Blinds, Stairs, Rails, Beams, Floors, Saunas, Carvings, etc.

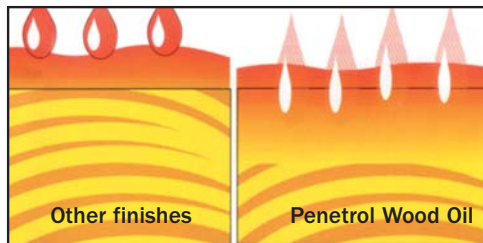
Other uses

Timber Stain: Make your own stain by adding tint or 10-20% oil based paint.

Rejuvenate dull, old stain: Apply 2 coats of Penetrol Wood Oil to restore colour and extend the life of the stain.

Re-coat old, sound varnish without sanding: Apply a thin coat of Penetrol Wood Oil and allow to dry. Proceed with Varnish. It will stick without sanding.

Tinting: Add up to 30ml of oxide tints or spirit based stains per litre of Wood Oil. Always test for colour on a small sample before coating an entire job.



Other finishes 'sit' on the surface, whereas Penetrol Wood Oil goes right into the wood to beautify and protect it from the sun.



Surface Preparation

Ensure surfaces are dry, free from dirt and grease. Remove any old paint or finish. Clean old dirty wood and remove RUST STAINS and WATER MARKS with DEKSWOOD TIMBER CLEANER from the Flood Company. If using paint stripper, neutralise the surface with DEKSWOOD before proceeding.

Application

For a Natural Oiled Finish and Long Term Protection

Apply 2 or more coats wet on wet until the wood is saturated and does not absorb any more oil. Remove any oil standing on the surface after 20 minutes with a soft lint free cloth.

For a Silky Hand Rubbed Finish

Apply 2 coats wet on wet. After 10-20 minutes apply some more oil to a small area at a time and rub into the wood with 240 to 400 grit wet & dry sandpaper. When a silky feeling is obtained remove surplus and polish with a soft cloth.

For a Satin Finish

Apply 2 or more coats until wood is saturated. Remove surplus with a lint free cloth. Allow drying 24 hours and apply another coat. Rub in lightly with a soft cloth and let dry for a soft and luxurious satin appearance. An ideal way to finish carvings.

To Improve Varnish Work

Add 20 to 30% Penetrol Wood Oil to all oil and alkyd based varnish as well as 1-part polyurethanes. The varnish will become more flexible, resist cracking and peeling and will flow without leaving brush marks. NOT SUITABLE IN 2-PART POLYURETHANES OR EPOXIES.

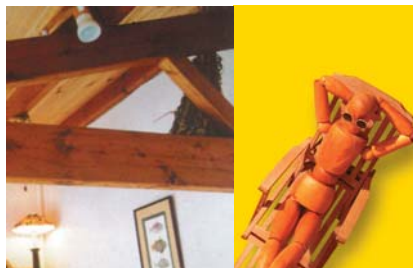
COVERAGE: Dressed wood up to 8m²/L, rough sawn up to 5m²/L.

DRYING TIME: Depending on surface porosity from 4 to 24 hours.

CLEAN-UP: Use Mineral Turpentine.

STORAGE: Decant part used can into smaller metal container to minimise air content.

AVAILABLE SIZES: 300gm (aerosol), 500ml, 1 litre, 4 litre, 20 litre
ALSO AVAILABLE AS A BASE PACK FOR EASY TINTING



HOW WOOD SHOULD BE TREATED

Deks Olje^{#1} Rich Matte Finish

The first part of the time-proven Deks Olje wood treatment system.



- Stunningly beautiful
- Fast, easy application
- Easily maintained
- Durable protection
- No sanding
- Keeps wood alive



Nothing surpasses the beauty of fine wood treated with Deks Olje, the preferred alternative to varnish.

The beauty of wood is, in no small part, due to its being a natural substance that once lived, with cells that grew and limbs that moved. Once a tree is felled the natural oils within start to dry out. Left alone, the wood will dry and shrink. To coat this wood with an inert paint or varnish is clearly no answer as sooner or later it will all flake away.

The **Deks Olje System** gets right to the heart of the problem. It is a 2-part solution to preserving and maintaining exotic wood against damage caused by exposure to sun, salt, and wind.

Deks Olje #1 is a very special oil that goes where other oils won't. With the penetration power 3 times that of water **Deks Olje #1** saturates, seals and stabilizes wood to prevent cracking. **Deks Olje #2** used over **Deks Olje #1** provides a hard, rich, glossy finish that is stunningly beautiful on Teak, Mahogany, and other fine woods.

When you coat with **Deks Olje #1**, you literally feed the wood with nourishing oil. A very special oil that will enrich the wood, leaving it with a magnificent silky, oiled finish and protection against moisture ingress.

Many prefer the natural oiled look and leave it at that, especially on interior application, but if you desire a durable glass like finish that will not blister, peel or craze, and is the easiest of all finishes to maintain, the application of **Deks Olje #2** will give you a hard, yet flexible, mirror finish.



HOW WOOD SHOULD BE TREATED

Deks Olje^{#1} Rich Matte Finish

The first part of the time-proven Deks Olje wood treatment system.

Preparation

Before applying Deks Olje #1, all wood blemishes, paint or varnish must be removed. Deks Olje #1 has no hiding qualities and will allow stains and marks to show through. To remove dirt and stains use *Dekswood Timber Cleaner and Brightener*, the safe 1 part wood cleaner made by the Flood Company.

On new wood, sand the whole surface to open up the pores. On oily woods, such as teak, wipe with methylated spirit to remove embedded surface oils and assist the maximum penetration of Deks Olje #1. Wood which shows water marks or dirt should be cleaned with Dekswood timber cleaner. Allow to dry thoroughly before applying Deks Olje.

Application

The secret of Deks Olje #1 success lies in the thorough saturation of the wood. To bring out an even silken finish when dry, start by applying Deks Olje #1 to an area that can be treated in about 10 minutes. Do not treat a larger area until you have finished with the first. The number of applications needed depends on the porosity of the wood. It is important that as much Deks Olje #1 as possible is applied in one process. To succeed, Deks Olje #1 must be kept active. To achieve this, **apply as many wet on wet coats as the wood will absorb** and continually brush over the whole area until no 'dry' spots are visible. When overall saturation has occurred, use a rag dunked in Deks Olje #1 and wrung out, to wipe away any surplus of material standing on the surface. **The place of Deks Olje #1 is 'IN' and NOT 'ON' the wood. Deks Olje #1 is not a surface coating.**

Now allow 3 days for Deks Olje #1 to dry and cure properly before continuing with Deks Olje #2 Gloss Finish.

Marine Plywood

Apply as above, taking special care to protect all edges and joints with a good soaking coat. Deks Olje will not cause ply delamination.

Garden Furniture

Apply as above, taking special care to protect all edges with a good soaking coat.

Maintenance

Wash regularly with soap and water. Touch up with Deks Olje when necessary. Just a wipe over with a rag soaked in Deks Olje #1 will generally rejuvenate the finish.

Coverage (depends on the porosity and type of wood)

Saturation Method 1-4 m²/litre

Coverage Method 8-12m²/litre

Application Tools Brush or roller

Application Temperature 5°-35°C

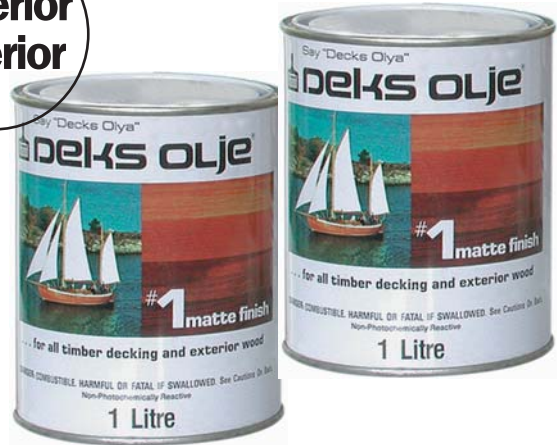
Drying Time 4-12 hours

Full Curing 3 days

Clean-up Mineral spirits

Available Sizes: 1 litre, 4 litre, 10 litre.

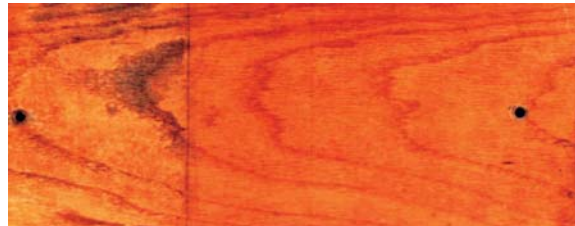
Exterior
Interior



Damaged varnish and teak oil lets water seep into the wood. Deks Olje penetrates and provides a rich, deep waterproof seal.

DEKS OLJE #1
SATURATOR

DEKS OLJE #2



OTHER TEAK OIL

TEAK OIL & VARNISH



HOW PAINT SHOULD BE TREATED

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Deks Olje^{#2} Deep Gloss Finish

The finishing part of the time-proven Deks Olje wood treatment system.



- Highlights the grain
- Easy maintenance
- No more sanding
- Rich deep gloss
- Economical



Nothing surpasses the beauty of fine wood treated with Deks Olje. The preferred alternative to varnish.

Every boat owner likes the satisfaction of seeing a gleaming new varnish job or the rich look of freshly oiled wood. But it is discouraging to see varnish looking dull or even peeling after just one season or oiled wood begin to darken in just a few months. **ENTER DEKS OLJE.**

Deks Olje #2 is the finishing part of the time proven Deks Olje system.

Deks Olje #2 will give a deep rich gloss finish that is especially beautiful on teak and other exotic woods. It gives a stunning finish on cap rails, cockpit coamings, skylights, spars and other brightwork on boats both exterior and interior. It also look great on garden furniture.

Deks Olje #2 is truly a boat owners dream come true, because it eliminates scraping, sanding and messy paint removers. After months of water duty under the extreme conditions of sun, salt and wind, Deks Olje's smooth, glossy surface can be renewed by scrubbing abraded and worn areas with soap and water, then simply recoating with Deks Olje #2 to match surrounding areas. **NO SANDING IS NECESSARY.**

One of the features of Deks Olje #2 is that it will not peel, blister or crack - unlike conventional wood finishes, such as varnish.

Before applying Deks Olje #2 it is absolutely essential that the wood to be coated is first treated with the Deks Olje #1 saturator in order to achieve the desired and beautiful end result.



HOW WOOD SHOULD BE TREATED

Deks Olje^{#2} Deep Gloss Finish

The finishing part of the time-proven Deks Olje wood treatment system.

Exterior
Interior

Surface Preparation

1. Apply Deks Olje #1 by the saturation method following directions on the can
2. Allow Deks Olje #1 to cure for 3 days
3. Clean the surface with a tack cloth

Application

DO NOT THIN. Use a good quality varnish brush. For a Bristol finish apply 4-6 coats of Deks Olje #2 at the rate of one coat per day. Always wait 12-24 hours between coats. All coats should be applied within one month. No sanding is needed between coats.

Allow the coating to cure for 3 days before commissioning.

Do not apply Deks Olje when rain is imminent or late in the day when dew is expected. This may dull a newly set finish, or cause the coating to 'blush' although exposure to the sun usually removes this discoloration.

Do not apply Deks Olje in temperature below 8°C.

If you have to sand between coats to remove dust or other blemishes, make good the coats you have removed.

Maintenance

The beauty of Deks Olje is that it needs so little maintenance. Periodic washing down with fresh water is all that is required. Should there be surface damage it can be easily repaired. Just use a fine grit sandpaper (#200-300) soaked in a little Deks Olje #1. Next day apply one or 2 coats of Deks Olje #2 at 12 hour intervals. There is no need to sand between coats and you will not see the mend when the coating is dry.

Coverage

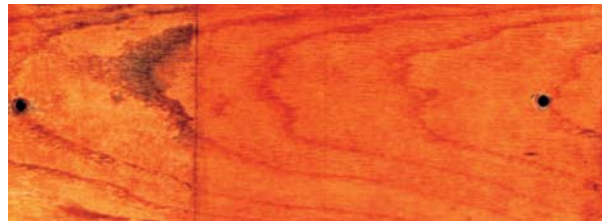
15m² per litre per coat on wood which has been properly treated with Deks Olje #1.



Damaged varnish and teak oil lets water seep into the wood. Deks Olje penetrates and provides a rich, deep waterproof seal.

DEKS OLJE #1
SATURATOR

DEKS OLJE #2



OTHER TEAK OIL

TEAK OIL & VARNISH



Application Tools	Brush or roller
Application Temperature	5°-35°C
Drying Time	12-24 hours
Full Curing	3 days
Clean-up	Mineral spirits

Available Sizes: 1 litre, 4 litre, 10 litre.



HOW PAINT SHOULD BE TREATED

© 2002 THE FLOOD COMPANY AUSTRALIA

Penetrol® Quality Paint Conditioner



Makes paint stick to almost anything. Enhances the performance of all oil-based stains, primers and paints.



Makes paint flow easy on difficult surfaces

Protects wood from moisture attack

Primes and protects metal surfaces

Stops paint from peeling and cracking



- Makes more paint
- Prevents brush and lap marks
- Improves penetration and adhesion
- Increases paint coverage
- Does not evaporate
- Makes paint last longer

NANO Technology & Surface Coatings

We protect your investment

call 086 9439834
www.tcm-asia.com
We serve european technologies since 4 years

Penetrol®

Multi Purpose Paint Oil

For over 65 years throughout the world, Penetrol has played an important part in maintenance painting. Now, more than ever, Penetrol gives painters the tool for a perfect and lasting paint job and is recommended by major paint manufacturers.

What is Penetrol?

Penetrol is a versatile, film-forming blend of natural oils with a penetrating ability of 3 times more than water and a powerful bonding ability. High in solids, non-toxic when dry, colourless and with low odour, it is truly user friendly.

What does it do?

Penetrol creeps into the most minute crevices and pinholes of any surface where ordinary paint cannot enter. There it dries to a tough yet flexible bonding film for the next coat of paint. Stable and durable it compensates for adverse effects that weather and surface conditions have on paint. Used alone as a primer/sealer or added to oil/alkyd based paint, varnish or stain, metal and wood primers, it enhances their inherent qualities and makes them stick to almost anything - even glass. Brush and lap marks are eliminated. Premature peeling and chalking are a thing of the past. No more uneven paint film - the major cause for coating failure. Penetrol gives greater coverage from every litre of paint and saves both time and money.

What it can't do

Penetrol cannot be used in acrylics and other water based paint, under synthetic (automotive) paints, 2-part catalyzing paint, chlorinated rubber and coal tar coatings. ALWAYS mix a small sample first to check compatibility.

How to use it

When the paint starts to pull or set too fast add some Penetrol. Start with 10% and add more until the paint flows easily. Let the brush or roller be the guide. You can add up to 25% without changing the characteristics of the paint. Clean up spills and tools with Mineral Turpentine.

Penetrol outperforms mineral turpentine, white spirits and other thinners

Thinners only thin paint temporarily before evaporating as the paint film dries. Your money literally disappears into thin air. When you use Penetrol, the oil is built into the paint. It doesn't evaporate. Every dollar goes to make more paint. The result is a stronger, even paint film and greater coverage. In hot, windy weather paint and varnish dry quicker than desired for good workability. The brush starts to drag, leaving brush and lap marks. With Penetrol brushing is easy in temperatures from -20° to +40° C, the paint flowing smoothly like it should. The result: no brush or lap marks but an even, strong and durable film.

When conventional thinners leave the paint film, the coating becomes porous, less elastic and loses gloss. With Penetrol in the paint, the film closes completely. Dirt cannot enter and the life of the coating is prolonged, with improved gloss, fewer imperfections and greater elasticity.

NOTE: In some countries Penetrol is known as OWATROL.



Penetrol makes it easy to get the perfect paint job. When paint starts to pull or set too fast resulting in brush marks add Penetrol until the paint flows freely. Let the brush be the guide. You cannot add too much Penetrol. Oil based paint fortified with Penetrol will spray to a mirror finish.



Penetrol prevents moisture attack caused by damaged paint film

Apply 2 coats or more of Penetrol to the bare wood or apply an equal amount of paint and Penetrol. This will ensure deep penetration of the coating and prevent water creeping under the paint or varnish in case of damage. To apply new paint or varnish over an old but sound surface, apply a thin coat of Penetrol, allow to dry for 24 hours and then paint. There is no need to sand as Penetrol will bond the new paint or varnish to the old.



Penetrol lets you make your own wood stain. When tinted with non-fading oxides or universal tints Penetrol can give a wide variety of wood tone effects to any type of wood, including plywood. To restore old dull, faded stain, apply two coats of Penetrol. It waterproofs the wood at the same time.



Penetrol makes great wood primers

Wood surfaces vary in porosity from old and pitted to new and tight, smooth and rough. Most wood primers are formulated for the average surface and cannot be expected to work equally well on all degrees of porosity. Penetrol added to wood primers and oil based stains ensures paint penetration and adhesion to wood in any condition.



Penetrol prevents surface rust on stainless steel

To remove rust stains from stainless steel, scrub with fine steel wool or nylon pad and Penetrol. Then polish with soft cloth. Occasional applications will keep the metal in pristine condition.



Penetrol makes it easy to prevent rust

On new steel apply **50/50 mix of Penetrol** and a good quality metal primer. Always buy the best paint available. On slightly rusted (blooming) steel use a **75/25 Penetrol/Primer** or enamel blend. On rusted steel saturate the surface until it is completely shiny when dry. (Under 2-part paints use Penetrol C.I.P) NOTE: Penetrol may loosen rust that is not tightly bonded. Remove it and repeat with 75/25 mix.

AVAILABLE SIZES: 300gm (aerosol), 500ml, 1 litre, 4 litre, 10 litre, 20 litre, 200 litre.

CIP

Corrosion Inhibiting Primer

USED BY THE WORLD'S MAJOR SHIPPING LINES FOR OVER 50 YEARS WITH OUTSTANDING RESULTS



C.I.P. The high solids, deep penetrating, all purpose primer

C.I.P. is a commercial grade all weather primer made with Penetrol. Originally developed as a dependable coating for ballast tanks and cargo holds, it makes a secure base on hand cleaned steel for any type of topcoat including 2-part epoxies, urethanes and other catalyzing coatings as well as any type of conventional finish. Under high flashing synthetics, a single coat of C.I.P. with a 3 to 4 day curing time is recommended before over-coating.

C.I.P. has excellent resistance to water immersion and condensation and helps in de-scaling heavy rust deposits. Highly flexible it will not crack, peel or blister and does not require sanding prior to top coating. C.I.P. is also an excellent protective primer for outdoor wood structures prior to painting.

C.I.P. is very economical. With a spreading rate of up to 15 sqm/litre it outperforms conventional primers.



Industrial projects

Marine applications

Automotive tasks

Outdoor projects

- Prepares rusted surfaces for painting
- A high solids Penetrol formulation
- Can be over-coated with any paint
- Can be applied in damp conditions
- Forms a lasting bond for paint
- No dangerous fumes
- Non-toxic when dry
- Will not crack, flake or peel
- Great spreading rate



CIP

Corrosion Inhibiting Primer

USED BY THE WORLD'S MAJOR SHIPPING LINES FOR OVER 50 YEARS WITH OUTSTANDING RESULTS

C.I.P is a high solids, deep penetrating, all purpose primer for rusted surfaces and can be overcoated with any paint. It penetrates through rust to clean steel driving out air and moisture.

What is it?

PENETROL CIP is a highly effective bright red / brown primer for rusted surfaces. It has better penetrating properties than water and makes a secure base on hand cleaned steel for any type of paint including 2-part Epoxy, Urethane, Vinyl, Chlorinated Rubber, as well as conventional finishes. Granular or tightly bonded rust need not be removed. High in solids, PENETROL CIP is economical and an excellent all weather and general maintenance primer for all metals.

What does it do?

PENETROL CIP penetrates deeply into the metal surface and bonds granular rust into a tough, protective coating. Unlike conventional primers, PENETROL CIP does not 'bridge' over the many imperfections present on any steel surface, but fills every minute pinhole driving out air and moisture - the 'food' rust needs to grow. PENETROL CIP has excellent resistance to water immersion and condensation and helps in descaling heavy rust deposits. It is highly flexible, will not flake, crack or peel and does not need sanding prior to top-coating.

PENETROL CIP is air drying with low odour and fumes and can be used in confined areas without abnormal precautions. It has high resistance to solvents, petrol and hydraulic fluids and does not change viscosity under virtually any paintable conditions. It dries in relatively high humidity.

Where to use it

Use PENETROL CIP on all rusted and corroded surfaces where a tough yet flexible primer with penetrating properties is needed under all types of conventional and synthetic coatings and wherever difficult drying conditions exist such as in high relative humidity, insufficient air circulation or low temperatures.

How to use it

1. Remove loose paint, rust, oil and grease, etc.
Granular rust need not be removed.
2. Apply a saturating coat of PENETROL CIP by brush, roller or spray.
Where PENETROL CIP has loosened rust, spot prime again.
4. Allow to dry for 24 hours before over-coating.

Coverage

10 to 15 sq. metres / litre depending on surface porosity.

Clean up

Mineral Turpentine.

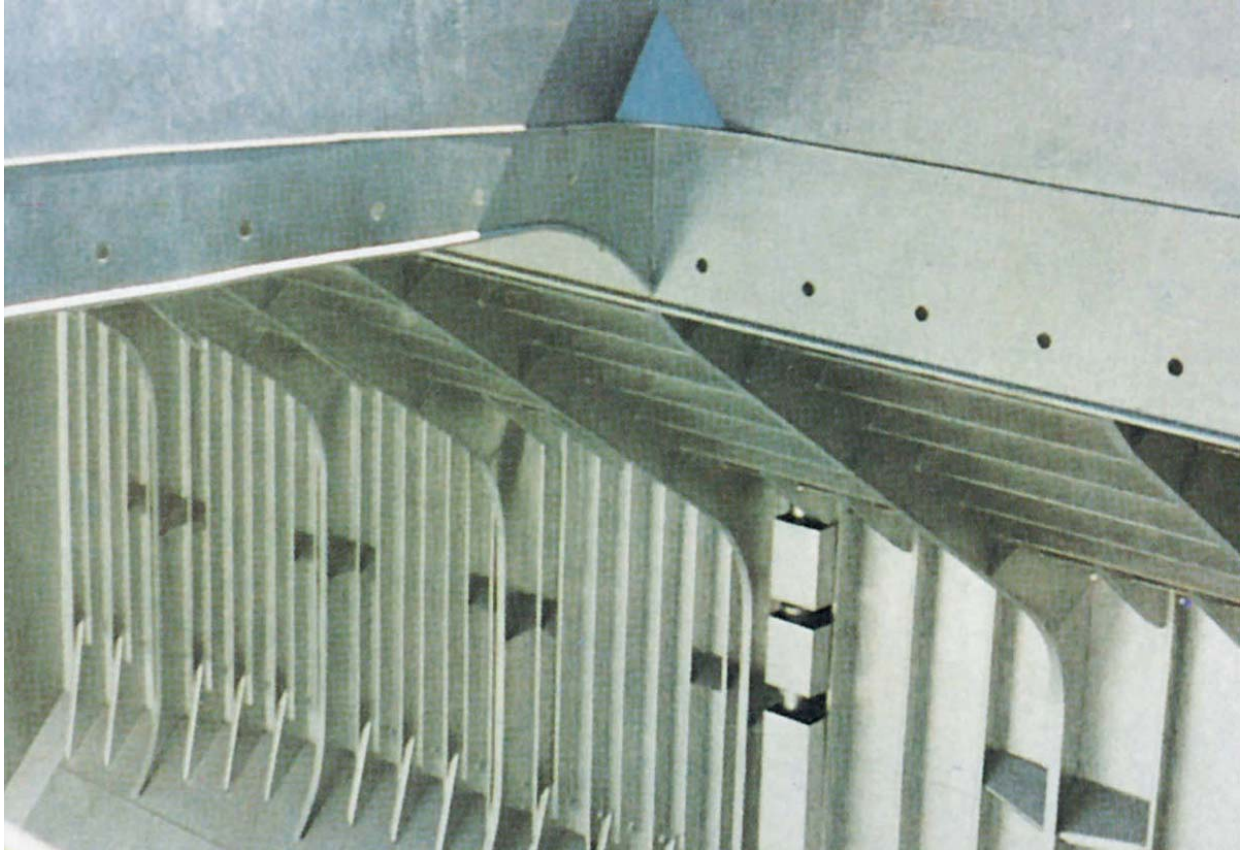
STIR CONTENTS OF CAN BEFORE AND DURING USE TO PREVENT SETTLING. DO NOT THIN.

Available Sizes: 4 litre, 10 litre, 20 litre, 200 litre.



Penetrol[®] Aluminium

Anti-corrosion
penetrating paint



Rejuvenates rusted surfaces and protects from corrosion.



Wire fences

Iron roofs, poles and
factory ceilings

Automotive steel

Storage tanks



- Flexible, crack and peel-proof
- Covers up to 10m² per litre
- Easy to apply
- Can be used in confined areas
- Used by major shipping lines
- Very economical



Penetrol[®] Aluminium

The durable, anti-corrosive coating
proven in the toughest environments

USED BY THE WORLD'S MAJOR SHIPPING LINES FOR OVER 50 YEARS WITH OUTSTANDING RESULTS

What is it?

Penetrol Aluminium is highly flexible, and durable anti-corrosive coating with the deep penetrating and powerful adhesion properties of time proven Penetrol.

It was originally developed for the shipping industry where it became a favourite cargo hold coating and carries approval as a coating for the carriage of grain.

Penetrol Aluminium is safe to use in confined areas, does not emit any dangerous fumes and is non-flammable. It can withstand temperatures up to 150 degrees Celsius after it has cured.

In many cases there is no need for sandblasting when Penetrol Aluminium is being used as it will assist the de-scaling process of heavy rust formations.

Penetrol Aluminium has great abrasion resistance, will never crack, blister or peel and can also be used under damp conditions. A feature is it's capacity to withstand chemical attack and maintain its properties over a wide range of climatic conditions. Penetrol Aluminium has excellent light and heat reflecting properties.

What can it do?

Penetrol Aluminium will restore rusted and corroded surfaces to an acceptable appearance and give lasting protection against further corrosion attack. It will greatly prolong the life of the treated surface.

Where can it be used?

Penetrol Aluminium is a preferred coating wherever long term protection is needed and a bright light reflecting appearance is desired. It is highly recommended for corrugated iron roofs and sheds, wire fences, storage tanks, steel structures, factory ceilings, ventilators, exhaust pipes, pipelines, car chassis and trailers, boat bilges etc.

Is Penetrol Aluminium expensive?

On the contrary. Penetrol Aluminium is most economical and covers up to 18 square metres per litre.

That's twice as much than other brands.

How to use it

All surfaces must be free of loose paint, rust, grease and other contaminants. Tightly bonded rust need not be removed but may be loosened by the coating in which case more material has to be applied to the bared areas. No sanding is required when re-coating with Penetrol Aluminium.

New and lightly rusted steel

Apply 2 coats of Penetrol Aluminium.

Allow 12 to 24 hours between coats.

No sanding is necessary.

Medium and severely rusted surfaces

Remove all loose rust by mechanical means.

Apply 1 to 2 coats of Penetrol first and allow to dry.

Follow with 1 or 2 coats of Penetrol Aluminium.

Allow 12 to 24 hours drying between coats.

Maintenance

Surfaces treated with Penetrol Aluminium are very easy to maintain. Should new rust appear over time it is just a matter of applying more Penetrol Aluminium to the affected area.

Clean-up

Clean-up with Mineral Turpentine.

Coverage

Up to 18 sqm per litre depending on porosity of the surface.

Application tools

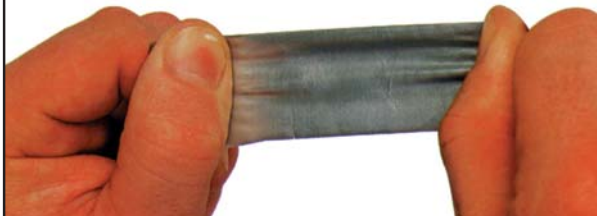
Penetrol Aluminium can be applied by brush, roller or low pressure airless spray equipment.

NOTE: Penetrol Aluminium must not be diluted.



See how crack and peel-proof Penetrol Aluminium is...

A piece of plastic bag coated with Penetrol Aluminium can be stretched without the paint cracking. No other aluminium paint has such elastic properties.



Available sizes: 1 litre, 4 litre, 10 litre, 20 litre

Product characteristics

Appearance	Bright Silver
Pigment	100% Aluminium
Flashpoint	63 Deg. Celsius
Boiling Range	150-260 Deg. Celsius
Vapour Pressure	Heavier than air
Solubility in water	Insoluble
Evaporation Rate	Slower than Ether
Viscosity	18" (Ford cup #2)
Resistance to Temperature	150 Deg. Celsius (dry film)
UN Number	Not Applicable
Hazchem Code	Not Applicable
Dangerous Goods Class	Not Applicable



CWF[®] Roof Grade

Clear Wood Finish for Shingle Roofs



CWF Roof Grade keeps cedar and other softwood shingles in good condition and looking good at a fraction of their replacement cost

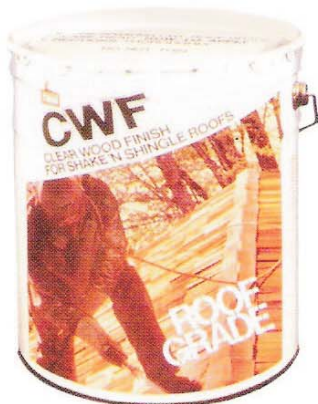


Prevent this

or this

by doing that

or that



- Penetrates deep into shingles for long term protection
- Replaces natural water repelling chemicals
- Protects from moisture and UV damage
- Prolongs life of shingles significantly
- Provides a mildew resistant coating
- Replaces natural binder resins
- Keeps shingles looking nice
- Not suitable for hardwood

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We serve european technologies since 4 years

CWF[®] Roof Grade

Clear Wood Finish for Shingle Roofs

What is CWF Roof Grade?

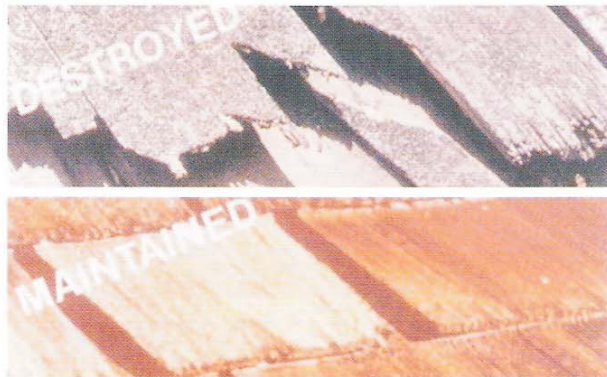
CWF Roof Grade protects shingles from moisture attack

CWF Roof Grade penetrates deep into the shingles replacing the natural water repelling chemicals lost through the first years of weathering. While water may stand on treated shingles during rain, it does not soak into the wood. After a few minutes of breeze and sunshine the shingles are dry. They are not shocked by being alternatively soaked and dried out rapidly.

CWF Roof Grade makes shingles resistant to U.V. attack

Ultraviolet light attacks the wood fibres in shingles and generates heat which bakes out the natural binding resins causing the shingles to become brittle and punky. CWF Roof Grade replaces the natural binder resin adding significantly to the life of the shingles.

Shingles protected against moisture and ultraviolet attack are less susceptible to attack from moss, fungus and insects.



When and how to use CWF Roof Grade on shingles

New cedar roofs should be treated within 1 to 3 years after installation, depending on climate.

1. In humid climates, treat shingles when they loose their orange-brown colour and turn grey.
2. In dry and arid climates treat roofs with CWF Roof Grade when the shingles bleach out.

Old cedar roofs can usually be restored if not more than 2 centimetres of the shake butt ends have been destroyed. Any shingle deteriorated beyond this point should be replaced. NOTE: CWF Roof Grade reacts with sunlight to change the shingle colour from a weathered grey to a warm honey tone.

How to apply CWF Roof Grade

1. Allow for 2 days of warm dry weather before starting
2. Use a low pressure airless sprayer or a garden sprayer
3. ALWAYS apply 2 wet on wet coats. When one coat is absorbed - usually within 15-30 minutes - apply the next coat. Do not allow CWF Roof Grade to dry between coats so treat only a manageable area at a time.



4. Make sure the vulnerable butt ends are well saturated. Direct the spray nozzle at the butt end of the shingle and make several passes to ensure thorough saturation!!!!

COVERAGE

On new shingles: 10 to 15sqm per 4 litres of CWF Roof Grade.
On old shingles: 4 to 6sqm per 4 litres of CWF Roof Grade.

CLEAN-UP

Mineral turpentine. Protect all items not to be treated. Remove drips and spatters whilst still wet. If dried, use a paint remover. On metal or glass use household ammonia.

Available Sizes:

20L in Natural and Cedar tone.

DRYING TIME

24 to 48 hours depending on temperature.

CARE AND MAINTENANCE

The build-up of leaves, pine needles and other debris on your roof holds excessive moisture next to the shingles, providing a breeding ground for fungus, mildew and insect infestation. Regular removal of debris will help to keep your shingle roof in sound condition.

Damage to shingles in different clients

TYPES OF DETERIORATION IN WOOD ROOFS	Wet	Wet Rain Forests	Hot Humid	Desert	Dry Mountain	Generally Dry
Cracking & Splitting	Yellow	Yellow	Yellow	Red	Yellow	Yellow
Warping & Cupping	Yellow	Yellow	Red	Yellow	Yellow	Yellow
Mildew & Moss	Yellow	Red	Yellow	Yellow	Yellow	Yellow
Punkiness	Yellow	Yellow	Red	Red	Yellow	Yellow
Brittleness	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Brown Rot	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow

Red: Deterioration exceptionally severe

Yellow: Contributes to deterioration

White: Does not contribute to deterioration

NANO Technology & Surface Coatings



Recommended for Softwood Only

CWF-UV[®] Clear Wood Finish For Exterior Wood



The preferred cedar finish brings back the rich, warm appearance of fine wood while protecting it from the damage caused by moisture and ultraviolet rays



Easily rolls onto weatherboards



Easily brushed onto fences, lattice and exterior furniture



Protects and beautifies all exterior softwood

- Highlights the grain and restores the natural beauty to weathered timber
- Great looking finish for cedar and all types of fine exterior softwood
- Penetrates deep into the wood for lasting protection
- User friendly - convenient soap and water clean-up
- Available in Natural and Cedar tone
- Not suitable for hardwood



HOW WOOD SHOULD BE TREATED

CWF-UV[®] Clear Wood Finish For Exterior Wood

Recommended for Softwood Only

What is CWF-UV?

CWF-UV is a new environmentally friendly clear wood finish based on a water/oil emulsion formulation developed by the Flood Company. It is unsurpassed in bringing out the beauty of fine softwood and is especially effective on cedar. Offering long term protection against the ravages of nature it is the easiest of all finishes to apply and with periodical maintenance it will restore the beautiful look of wood time and time again without costly stripping or sanding. **CWF-UV will never crack, peel or blister.**

CWF-UV is not suitable for hardwood, plywood or previously stained, varnished or painted surfaces.

How and when can you apply CWF-UV?

All wood surfaces to be treated with CWF-UV should be first cleaned with Dekswood Timber Cleaner and Brightener from The Flood Company. **New wood** especially **pressure treated wood** should be allowed to weather for 6 to 12 months until the pores are opened and proper penetration can be achieved. To control aging we recommend applying Seasonite New Wood Treatment, which will minimise warping and splitting during the seasoning process.

CWF-UV IS NOT A SURFACE COATING AND ITS SUCCESS DEPENDS ON THE DEGREE OF PENETRATION WHICH CAN BE OBTAINED

Here is a simple way to test if the timber is ready for CWF-UV: Throw some water onto the surface. If it beads and runs off, the wood is not ready, as good penetration cannot take place. If the water is easily and completely absorbed by the wood it can be treated with CWF-UV clear wood finish.

Application Procedure - IMPORTANT

Once it has been established that the timber is ready for CWF-UV, apply 2 coats wet on wet. That means as soon as the first coat is absorbed - usually within 25 to 30 minutes - apply another. Do not allow CWF-UV to dry between coats so treat only a manageable area at a time. If allowed to dry the second coat cannot penetrate and is wasted. If the wood is very porous and the second coat is also absorbed rapidly, a third coat might be beneficial in which case follow the same procedure as before.

Maintenance

CWF-UV renewal applications are touch-up coats. When an area turns grey, clean it with Dekswood timber Cleaner, allow to dry and apply a coat of CWF-UV to replace any material that has weathered away. In most cases the original colour will be restored. Areas with good colour



need not be treated. Badly weathered areas might need 2 coats for best results. For continued protection apply CWF-UV every 1 to 2 years depending on climatic conditions.

Coverage

With 2 coats applied, 4 litres of CWF-UV will cover up to 8 square metres of rough sawn timber and up to 15 square metres of smooth weathered wood.

Clean-up

Clean tools with soap and water. Remove drips and spatters from all surfaces while they are still wet. If they have dried use a suitable paint remover. Unfold and dry all used rags to avoid any possible spontaneous combustion before disposal according to local regulations.

Available Sizes:

4L & 20L sizes both in Natural and Cedar tone.

Dekswood timber Cleaner & Brightener from the Flood Company is the ideal pre-treatment for dirty weathered wood.



Use Seasonite to preserve and protect new, untreated and pressure-treated wood.

Use CWF-UV to deeply penetrate and protect exterior softwood.

For exterior hardwood and pressure treated wood use 100% acrylic Spa-N-Deck from The Flood Company.



HOW WOOD SHOULD BE TREATED

E-B Emulsa-Bond[®] Exterior Acrylic Paint Adhesion System



Makes acrylic paint or solid-hiding stain stick to chalky and dusty surfaces.

- ♣ Makes paint stick to chalky, dusty surfaces.
- ♣ Saves costly sealers.
- ♣ Prevents peeling.
- ♣ Makes more paint.
- ♣ Primes, seals, bonds in one application.
- ♣ Increases coverage by up to 25%.
- ♣ Soap and water clean-up.
- ♣ **MADE WITH PENETROL**

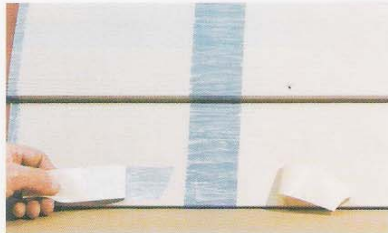


Add E-B Emulsabond to acrylic paint to avoid this.



DO THE HAND TEST.

Before painting with acrylic, give the surface the chalky hand test...if your hand looks like this, you need E-B!



DO THE ADHESION TEST BEFORE YOU PAINT.

To make sure the surface is good enough, apply E-B to a small area, leave for 48 hours, press masking tape to it and pull off. If it looks like the picture at right you can proceed to paint. If the old paint comes off on the tape you will need to remove it.

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We serve european technologies since 4 years

E-B Emulsa-Bond[®] Exterior Acrylic Paint Adhesion System

E-B Emulsa-Bond is an acrylic paint adhesion system for exterior wood, masonry or aluminium siding to help alleviate the peeling problem when painting over chalky and dusty surfaces. E-B Emulsa-Bond provides both a bonding, mildew resistant primer and a first flat coat for acrylic applications. The E-B Emulsa-Bond formulation does not alter the original finish coat colour. It is a stir-in bonder-sealer-primer in one.

USES: Apply over sound but chalky paint; old porous weatherboards and sandblasted masonry; weathered but sound asbestos siding. Ideal for repainting chalky aluminium siding, T-111 exterior plywood or hardboard siding.

GENERAL REPAINTING WITH E-B EMULSA-BOND SURFACE PREPARATION: Follow directions on acrylic paint label. Wash protected areas (overhangs, porch ceilings, etc.) with Dekswood[®] or detergent and water. Rinse thoroughly before painting. Remove mildew with Mould Action from Flood or by washing with a mixture of 50% household bleach and 50% water, following manufacturer's instructions. Rinse thoroughly with fresh water. Allow washed areas to dry before painting.

MIXING: Stir acrylic paint. Pour paint into a clean paint pail until 1/2 or 2/3 full. Add required amount of E-B Emulsa-Bond and mix thoroughly. If thickening occurs, add enough tap water (no more than 5%) to bring the mixture back to the consistency of the original paint.

1. Acrylic house paint (recommended for wood or masonry) - add 1 litre E-B Emulsa-Bond per 4 litres of paint. This makes an extra litre of quality paint.
2. Acrylic masonry paint (not recommended for wood) - add 2 litres E-B Emulsa-Bond per 4 litres of paint. This makes an extra 2 litres of paint.

NOTE: Always test compatibility by mixing a small amount of E-B Emulsa-Bond and paint before mixing larger amounts.

APPLICATION: Apply E-B Emulsa-Bond modified acrylic paint by brush, roller or spray. If desired appearance is not achieved in one coat, a second coat without E-B Emulsa-Bond should be applied.

FINISH COAT: Apply as soon as first coat of E-B Emulsa-Bond mixture feels dry, usually 2 to 4 hours of good drying weather. DO NOT recoat while the film feels soft or tacky. When spraying or if paint needs conditioning, add 5% of Floetrol[®] for lubrication. (Floetrol is also particularly effective in reducing tip clogging and piston freeze-up when using a cup gun).

GENERAL COVERAGE: While spread will vary with the texture and porosity of the surface, you will generally extend the spread of the paint you use by up to 25% compared to using it without E-B Emulsa-Bond.

RESTRICTIONS: Use only in first coat. Do not add E-B Emulsa-Bond to gloss acrylic paints for one coat work.

NOTE: Use of acrylic paint, with or without E-B Emulsa-Bond, over heavy accumulations of old, brittle, checked or cracked paint is not recommended.

SURFACES NEEDING RECONDITIONING: These surfaces generally consist of old worn-out cement coatings or excessively chalked masonry.

Apply E-B Emulsa-Bond undiluted and allow to dry 24 to 48 hours before applying the first coat of acrylic paint. E-B Emulsa-Bond surface conditioner dries to a flat finish to which acrylic paints bond securely.

To be certain of adhesion, E-B Emulsa-Bond can be tested by applying it to a small area typical of the entire surface. After 48 hours, press masking tape to this area and pull off. If no more than pinhead spots of

E-B Emulsa-Bond stick to the tape, you can depend on the adhesion. If this test fails, the old paint should be removed down to a sound surface.



E-B Emulsa-Bond was added to acrylic paint to successfully paint directly over old chalky surfaces



E-B Emulsa-Bond hiding stain application

MIXING INSTRUCTIONS FOR

E-B EMULSA-BOND SOLID HIDING STAIN SYSTEM:

This system waterproofs and provides a colour coat of acrylic in one application. It is designed for repainting previously painted or stained exterior T-111 plywood and hardboard. The mixture consists of 50% exterior acrylic paint or stain and 50% E-B Emulsa-Bond.

NOTE: Custom tinted colours or paints of different manufacturing batch numbers must be blended together and thoroughly mixed to assure uniformity of colour PRIOR to mixing with E-B Emulsa-Bond.

1. Fill 1/3 of the container with well-mixed acrylic house paint and add an equal amount of E-B Emulsa-Bond.
2. Stir or box this mixture until all of the E-B Emulsa-Bond disappears into the paint.
3. If thickening occurs, add tap water (no more than 5%) to bring the mixture back to the consistency of the original paint.

APPLICATION: Apply one full hiding coat by brush, roller or spray. If desired appearance is not achieved in one coat, a second coat WITHOUT E-B Emulsa-Bond should be applied.

CLEANUP: Clean tools, equipment drips and spatters with a solution of household detergent and water. If paint is dry, use paint remover or brush cleaner. Keep the brushes and rollers in water when not in use. AIR DRY EMPTY CANS AND SATURATED RAGS, THEN DISPOSE OF ACCORDING TO LOCAL REGULATIONS.

STORAGE: Keep container closed when not in use. Store in a cool place.

CONTACT FLOOD FOR A FREE E-B EMULSABOND SAMPLE

Fine wood treatment products from The Flood Company.

SEASONITE[®] - Stabilizing Treatment, preserves and protects new untreated and pressure-treated exterior wood ... allowing the wood to "season" slowly, with less splitting, swelling, cupping or warping.

CWF-UV[®] - Clear Wood Finish - Oil base UV-resistant formula meets environmental restrictions. Deeply penetrating exterior finish for interior wood.

DEKS OLJE[®] - A long lasting rustic matte or gloss finish for interior wood.

DEKSWOOD[®] - Cleaner and Brightener, for dirty, discoloured and weathered wood surfaces. Easy on hands. Won't harm shrubs.

POWERLIFT[®] - Stain and Finish Remover. Safely removes old stain. Will not harm paint.



Fine paint products from The Flood Company.

PENETROL[®] - Eliminates most oil based paint problems. Sealer/bonder/primer in one. Stops rust too.

FLOETROL[®] - Extends wet edge of acrylics. Maintains paint viscosity. Makes spray guns last longer.

ESP Easy Surface Prep[®] - Makes paint stick to slick, glossy surfaces without sanding. NOT a deglosser.

PENETROL Wood Oil[®] - Beautifies and protects anything made from wood. Keeps fine wood 'alive'.

CIP Corrosion Inhibiting Primer[®] - Eliminates the need to remove tightly bonded and surface rust. Gives years of protection. Protects new steel too.

VC175 Mould Killer Paint Additive[®] - Prevents growth of mildew and mould on new paint. Tropical strength formulation lasts for years.

NANO Technology & Surface Coatings



We protect your investment

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We serve european technologies since 4 years

ESP[®] Easy Surface Prep



Firmly bonds paint to any surface.



Just pour on a clean cloth.



Wipe on surface. Wait 5 minutes and wipe off.



Wait 90 minutes and paint.

- Easy wipe-on, wipe-off application.
- Prepares smooth, slick surfaces for painting or varnishing.
- For use on enamels or varnish, glazed or ceramic tile, baked appliance enamel, lacquer and glass.
- Eliminates time-consuming, labourious sanding.
- Cleans the surface and provides adhesion for oil/alkyd or acrylic paints.
- Unlike deglossers, has a mild, pleasing odour.



ESP[®] Easy Surface Prep

ESP is an easy-to-use, wipe-on, wipe-off liquid that cleans the old surface and leaves a permanent bonding film that promotes strong adhesion of new paint to glossy surface. Surfaces prepared with ESP may be repainted after only 90 minutes. (In fact, you can ESP the surface today and recoat even a week later!)

Why use ESP

Old-fashioned de-glossers are harsh and have a strong odour, and sanding is a tough dusty job that most people rush through or avoid. ESP is easy on the hands and has a mild odour. ESP is also easy to use and effective without hard work, so it's a simple task to do the job right the first time- and forget about peeling paint.

How to apply ESP

- Do not thin
- Wipe ESP on the surface, wait 5 minutes, then wipe it off.
- Wait at least 90 minutes before repainting.
- You can even wait up to 7 days before repainting.
- To remove grease or wax buildup, scrub the surface with fine (No.00) steel wool which is saturated with ESP, then wipe off after 5 minutes. Wait at least 90 minutes before repainting.
- If the new paint 'crawls' or separates, the surface is not really clean. Wipe off the wet paint and reclean the surface with detergent and water. Allow the surface to dry thoroughly and try the paint again.



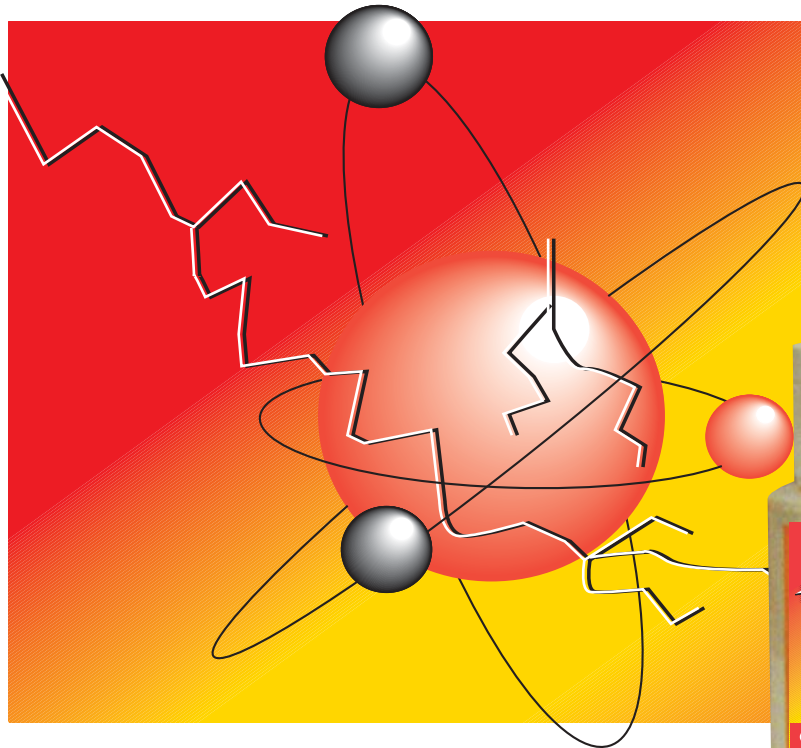
Coverage, clean up and storage

- 1/2 litre of ESP will prepare surface for 4 litres of paint.
- Clean up with mineral spirits.
- Keep container tightly sealed when not in use.

Odour Zapp

Paint Odour Eliminator

THE NEW
ODOUR-FREE WAY
TO PAINT

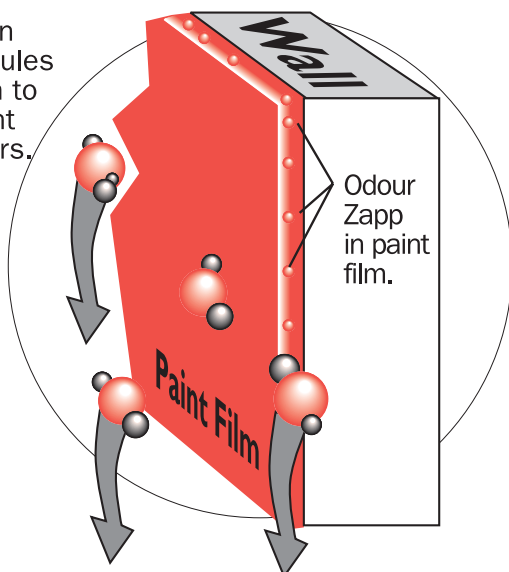


Odour Zapp eliminates odours caused by wet paint, thinners, strippers, solvents and enamels.

Does not affect paint adhesion, hardness or drying time.

GETS RID OF SERIOUS ODOUR PROBLEMS

Oxygen molecules attach to solvent vapours.



Odour Zapp Paint Odour Eliminator is a 'new age' product which, when added to paint eliminates or greatly reduces the unpleasant odours associated with fresh paint. Newly painted areas can be occupied again in most cases within a few hours. This makes Odour Zapp an ideal additive when painting hotels, hospitals, shops, schools, offices, residences or wherever space is at a premium.

When Odour Zapp treated paint is exposed to oxygen a molecular interchange takes place causing the paint vapours to fall away and disappear.



Odour Zapp

Paint Odour Eliminator

Add Odour Zapp to your paint for odour-free pleasant painting.

What is Odour Zapp?

Odour Zapp Paint Odour Eliminator is a unique paint additive that reduces the unpleasant odour caused by most paint and paint related products.

How does it work?

Odour Zapp Paint Odour Eliminator is not a mask or cover up. It doesn't just hide odours - it chemically neutralises them when Odour Zapp is activated by oxygen. Nothing happens until the treated paint is applied to the surface by brush or spray exposing the paint to the air. **Odour Zapp** molecules attach themselves to paint vapours causing them to fall away undetected.

Where will it work?

Odour Zapp works in almost all paints, stains, primers, epoxy, urethane, varnish, solvents, enamels, glues, adhesives and other surface coatings.

How does it affect the paint?

Odour Zapp does not change the characteristics of paint except extending the drying time by 5 - 10%. As it reacts to the air, it completely evaporates out of the paint film taking the odour with it.

Is Odour Zapp expensive?

Definitely not! It costs as little as 20 cents to treat a litre of acrylic paint, and it works! **Odour Zapp** also cuts downtime due to offensive paint odours. Newly painted areas can be occupied again in most cases within a few hours after painting has taken place. This makes **Odour Zapp** an ideal additive when painting hotels, hospitals, shops, schools, offices, residences and where space needs to be used.

How much should I use?

Follow the dilution chart and start at the low level recommended for the paint used. Do not exceed the higher ratio, as more does not mean better. Heavier concentrations may cause a reaction which in fact creates another odour.

How effective is Odour Zapp?

Odour Zapp Paint Odour Eliminator is formulated to effectively reduce paint odours by up to 90% resulting in a very high comfort level. Remaining odours can be eliminated with **Odour Zapp UNIVERSAL ODOUR ELIMINATOR SPRAY**.

What about shelf life?

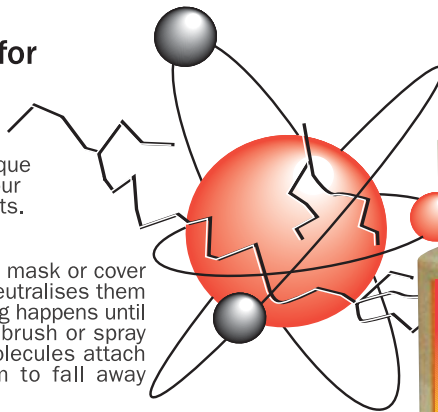
Once paint is treated with **Odour Zapp** it stays treated. Shelf life is only limited if the product is exposed to air for an extended period.

Note: Multicolour (multispec) paint treated with **Odour Zapp** should not be stored for lengthy periods.

Why not just use low odour paint?

Low odour paints tend to be much more expensive. They may not hold up as well, may not be the right product to use or may not be available at all. Buy the paint that is right for the job and add **Odour Zapp**.

Available sizes: 50ml, 100ml, 500ml, 1 litre, 4 litre



Quick Check Dosage Chart

ml per 4 litres
 ← minimum maximum →

	5	10	15	20	25	30	35	40	45
Acrylics									
Water Based Paints									
Oil Based Paints									
Alkyd Based Paints									
Enamels									
Epoxy Based Paints									
Solvent Based Paints									
Primers									
Strippers									
Thinners									
Solvents									

DO NOT EXCEED MAXIMUM LEVELS. MORE IS NOT BETTER. ALWAYS START WITH SMALLER QUANTITY.



Bio Zapp Odour Stop Concentrate

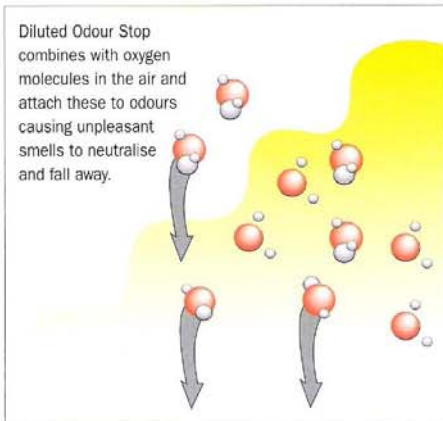


Bio Zapp Odour Stop effectively treats:

- Rubbish bins
- Musty carpets
- Boat bilges
- Kennel smells
- Sludge pits
- Sick rooms
- Urinals
- Locker rooms
- Garbage dumps
- Mildew odours
- Stale air

GETS RID OF SERIOUS ODOUR PROBLEMS

Diluted Odour Stop combines with oxygen molecules in the air and attach these to odours causing unpleasant smells to neutralise and fall away.



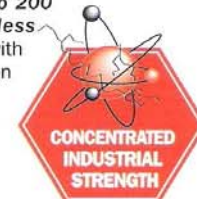
What is BioZapp Odour Stop?

BioZapp Odour Stop is an effective treatment for the elimination of organic odours. It is a highly concentrated and powerful odour neutraliser, yet safe enough to spray inside your house, kitchen and bathroom and onto carpets and upholstery.

BioZapp is not a mask or cover-up. It doesn't just hide foul odours - it chemically neutralises them when BioZapp is activated by oxygen. Nothing happens until the solution is exposed to air by spraying. Then the BioZapp molecules attach themselves to unpleasant odours and cause them to literally fall away.

How does it work?

BioZapp Odour Stop is so concentrated, that one litre of BioZapp Odour Stop will make up to 200 litres of odour eliminator for less than a dollar per litre. Occasionally, with a severe problem, a stronger solution may be required.



NANO Technology & Surface Coatings



We protect your investment

call 086 9439834
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We serve european technologies since 4 years

VC175 Mould Killer

**TROPICAL STRENGTH
EXTRA POWERFUL
FORMULATION**



VC175 is a powerful, long-lasting mould killer. Simply add to paint, timber stains, textured coatings, grout, mortar and adhesives.

A few drops of VC175 for permanent protection from mould



In damp or humid conditions most surfaces discolour and stain with unsightly mould growth which, unless checked, continues to be a problem for the life of the surface. *The time to treat surfaces against mould growth is when paint is applied.* A few drops of VC175 added to the paint and your surfaces will stay like new without unsightly and musty smelling mould.

VC175 Tropical Strength Mould Killer is suitable for most paints. However, as it is impossible for us to test it in every paint on the market, it is advisable to always mix a small sample first to check if it blends with the paint.

For a clear finish VC175 can be added to Penetrol[®], a durable highly penetrating clear satin interior wood finish from the Flood Company. The clear protective film leaves the surface mould free.

Available Sizes: 20ml, 50ml, 100ml, 1 litre

NANO Technology & Surface Coatings

We protect your investment

call 086 9439834

TCM Flood price list



TCM Asia Co. Ltd., 96/58 Moo1, Praphuketgaew Road, Ampur Kathu, 83120 Phuket

Valid from 15.07.2008– 31.12.2008		All prices in THB	
TCM Flood product	can/tin/size	price per can	approx. m2
Penetrol Aluminium - Anti corrosion paint	1 litre	1,045.00	10m2
	4 litre	3,811.50	40m2
	10 litre	8,820.90	100m2
Penetrol Multi Paint Oil	1 litre	575.00	10 m2
	4 litre	2,178.00	40 m2
	10 litre	4,840.00	100 m2
Penetrol Wood Oil	1 litre	575.00	10 m2
	4 litre	2,178.00	40 m2
	10 litre	4,840.00	100 m2
CIP Corrosion Inhibiting Primer	1 litre	1,001.00	15m2
	4 litre	3,025.00	60m2
EB - Emulsa Bond	1 litre	649.00	2 litre per 4 litre of paint
ESP Easy Surface Prep	500ml	375.00	
CWF UV clear wood finish for exterior wood and shingle roofs	4 litre	2,299.00	10m2
	20 litre	10,170.00	50m2
VC 175 mould Killer	100ml	545.00	
Bio Zapp Odour Stop	50ml	396.00	
Bio Zapp Paint Odour Eliminator	100ml	478.50	
Dekswood timber cleaner	4 litre	950.00	100m2
	20 litre	4,350.00	500m2
Deks oilje 1 matt	4 litre	950.00	
	10 litre	4,600.00	
Deks oilje 2 gloss	4 litre	2,900.00	
Spa N Deck Power Lift	4 litre	1,518.00	20m2
Spa N Deck Prep Solution concentrate	4 litre	1,078.00	40m2
Spa N Deck acrylic paint	4 litre	3,025.00	20m2
	10 litre	5,929.00	50m2
Colours:			
Natural, Sedona, Honey, Redwood, Cedar ,Whithe			

The coverage of the product depend on the application method, surface texture and porosity

Tel: 076-249505 Fax: 076-249506 / 076-279088, www.tcm-asia.com, office@tcm-asia.com