

Epotec Pool Coatings by Cotec,
Durable, Strong, Beautiful,
Designed for You...



**Swimming
Pool Coatings**

AUS 09/2018



RANGE of POOL COATINGS.

**Durable, Strong, Beautiful
and all designed for you..**

The Epotec range is for new and older pools and spas. Indoor, out door and thermal resorts as well.

The Epotec Ranges Consists of:

EPOTEC NT EPOXY pool coating for maximum performance in commercial, residential and thermal pools and spas.

EPOTEC AQUA 1K waterborne polymer base for those situations requiring less value coupled with good performance, such as low use residential pools.

CONCRETE WB EPOXY SEALER is a penetrating waterborne 2 pack sealer for porous and friable surfaces under Epotec NT Epoxy or Aqua 1K.

EPOTEC coatings are designed for pools and spas made of:

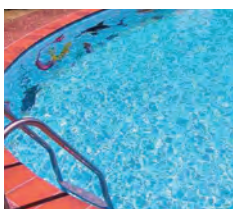
Concrete (new or old), and older Fibreglass, Marblesheen or Pebblecrete surfaces. They can also be used on painted surfaces too. (Depending on the coating.)

They are not suitable for use on: Acrylic, PVC or Liner pool surfaces.

The advantages of using the Epotec range of pool coatings are many:

- Decorative (Standard colours plus the ability to match your specific colour).
- Seamless finish, for easy cleaning.
- Smooth surface, means no scratches.
- The coating is water proof, (Epotec NT Epoxy), protecting underlying substrate.
- Long lasting. Pools often last over 10 years of age, before recoating needed. (Epotec NT Epoxy)
- Economical. Can choose the value you want to invest, and the life expectancy.
- Warranty available (for commercial pools).
- Penetrating sealer to seal and strengthen substrate.
- Easy to use. DIY is straightforward, we guide you through the process.
- Epotec Aqua 1K, washes up in water and single pack.
- Over 30 years' experience in the pool coatings industry in New Zealand and Australia.
- All coatings are easy to over coat.

For proven coating performance in your pool, look no further than Cotec.



Have an Older Pool - Spa?

Is your pool (or Spa) looking tired, faded, worn, unattractive or just hard to keep clean? Then it's time to bring it back to life with an Epotec pool coating.

These products will rejuvenate your pool surfaces, be it concrete (painted or not), Fibreglass, Marblesheen or Pebblecrete and other surfaces such as a Quartzon type.

Have a new Concrete or Concrete Block type pool?

Your new pool will need a protective inner finish which is long lasting, low maintenance and great looking. You will want something that protects the under lying structure from the ravages of pool water and resists algae attack. Selecting the specialist Epotec coating will answer your needs and those of your pool for many seasons to come.

For Old and New Pools, we have the answer you need.

Why Paint?

With concrete, plastered or other unpainted finishes, the original surface will be worn, hard on your feet, difficult to keep clean, (uses a lot of expensive pool chemicals to manage well), after a 10 - 15 year period. This could lead to the surface becoming porous, algae growth and general deterioration including cracks and blisters. Water finding its way into the substrate, and pool structure may result in expensive damage including corroding reinforcement.

For fibreglass pools, the coloured gel coat, also slowly erodes away leaving a whitish, chalky surface, that also becomes harder to manage. Osmosis may develop. A worn gel coat can expose the structure to pool water ingress weakening the structure. Black spot and exposed fibres are often seen in older pools.



TUFF FLOOR SAFETY

EPOTEC NT
New Technology Epoxy

EPOTEC AQUA
Water Based Single Pack

For all such pools, resurfacing with the correct Epotec product, provides the best in long term, economical outcomes.

What Coating to Use?

EPOTEC NT EPOXY (High build epoxy coating, 100% solids) offers the ultimate performance through its thick coating. Nominal dry film thickness in 2 coats is 320 microns. Epotec NT can be brush or roller applied. This is a new addition to our range after 4 years research, and is an enhancement and based on 30 years' experience with epoxy coatings in pools. It has an improved and more defined cure process, better resistance to pool water chemicals, improved tolerance to early rainfall and comes in more useful pack sizes. Usually 2 coats, (over Concrete WB Epoxy Sealer, if needed) though 3 coats in high wear areas.

EPOTEC AQUA 1K (Single pack waterborne system, specialist polymer dispersions, SPD) offers excellent value for money and good performance. Washes up in water and applied by brush, roller or spray. Epotec Aqua 1K is the latest in development and uses specialised self-hardening resins to allow for more economical outcomes and where messy 2 pack mixing and solvents cannot be tolerated. It has enhanced resistance to UV attack and better "whitening" resistance when compared to epoxy type coatings. It's an ideal replacement for smelly and hard to use Chlorinated Rubber paints. Usually 2 coats (over Concrete WB Epoxy Sealer, if needed) though 3 - 4 coats in high wear areas.

CHLORINATED RUBBER: The traditional solvent borne coating for use when its characteristics are required, though the Epotec Aqua 1K, water borne is a good alternative in most situations. Usually 2 - 4 coats.

CONCRETE WB SEALER: Is a water based 2 part epoxy system and is specifically designed to penetrate concrete and similar open, porous surfaces, giving additional strength to weak or aged materials. This improves the adhesion of the topcoats and provides a more uniform surface, allowing the correct film build of the topcoats to be achieved. It's water vapour permeable, meaning the underlying surface can continue to dry out, before the topcoats are applied. Applied by brush or roller. Usually 1 coat needed.

For use under Epotec NT Epoxy and Epotec Aqua 1K.

Tuff Floor Safety: Is a single pack spray (Hopper Gun) applied rubberised non slip floor coating for all wet floor areas inside and out. Around pools or in

changing rooms or shower areas. Provides a decorative, non-slip surface in a range of colours and that are easy on the feet, with "give". Tuff Floor Safety uses a soft rubberised chip that offers a greater non slip ability and is relatively soft under foot and will not damage skin, unlike sand and aggregates that are hard and abrasive on skin. The coating can be applied in varying thicknesses to hide surface imperfections, can be washed down with normal cleaning compounds and easily recoated when needed.

All Coating notes:

Make sure they are applied at the correct coverage rates to get the right dry film thickness and therefore longevity. Incorrect coverage rates will lead to premature failure. It is well documented that swimming pools (and spas) are extremely aggressive environments for coatings from both water quality and control problems that lead to precipitated minerals and dirt - sand, tracked and blown into the pool. All these act like "wet and dry" sandpaper on the pool coating and can quickly abrade much of the coating away. This will lead to premature coating failure. We strongly recommend applying an extra coat on high wear areas, floors, steps etc, to help mitigate this effect.

For commercial pools an extra coat(s) will provide much longer life and save having to empty and recoat at an inconvenient time. This is more important if high public use or heated.

Putting into operation:

Once fully cured, (5 - 7 days) you may refill pools (spa) and add chemicals. These must always be diluted first, not poured straight into the pool. This includes fully dissolving the salt.

Then keep pool in the correct chemical balance throughout the year for best long term success. The normal range (as recommended for painted pools) is: pH 7.2 - 7.6, Total Alkalinity, 80 - 180 ppm, Ca Hardness 270 - 330 ppm, (Monitor closely) Chlorine 2 - 3 ppm and operating temp 5 - 35°C. Check and record details weekly in summer and every month in winter. Allowing the pool water chemistry to vary from this range may result in reduced performance and life.

For more information about the pool preparation, coating application refer to the specific product Data Sheets and for Application, see the Application Notes too. For pool water management follow guidelines in Looking after your Epotec Pool. All available from COTEC.

Any questions contact us.

Intelligent Systems





Technically Advanced Coating Systems

What Colours can I have?

The Epotec range comes in a standard range of colours, though we can look at tinting to your specific need. Whilst Epotec Aqua 1K has a more limited range it can be tinted with normal tints to a range of colours, offering some unique results.

Do note that colours under water can look very different to those seen above water, so be aware that coating colour, water depth, overhead conditions, greenery and sun light angles will have a big impact on the actual colours seen. This adds to the "magic" of a pool.

All pool coatings slowly age over time and may pick up the residues [white] of pool water chemicals and these will show up more on darker colours. Chalking and fading happens over time, however this does not affect the performance of the epoxy. For best overall results select light colours such as light and mid blue.

How do I paint my pool?

Consult the respective Data Sheets and Application Notes for FULL details. The information here is a brief summary only.

Preparation:

Epotec NT Epoxy is a fast curing product so it's important to plan the job before starting. Work to complete 1 x 5kg pack in one hour maximum.

The minimum preparation is a good sand and an alkaline detergent wash to remove the body fats, oils and dirt. In many cases it is prudent to abrasive blast to remove all the old coatings and start from a bare substrate.

New Concrete or Rendered Pools:

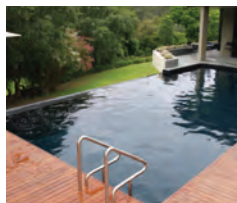
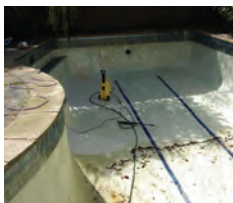
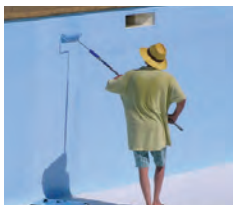
Ensure the concrete has been correctly cured for at least 28 (7 for render) days. Make sure there is no oil or release agents, (use an alkali detergent) on the concrete surface, and give it a good water blast to prepare. If concrete is hard and smooth then it may need a grind to open the surface (or a mild Acid Etch) and to remove laitance. Larger pools are best prepared with soda blast, grit blast or UHP water blast.

A light sponge finish or light float finish is ideal. Do not polish the concrete. Use Concrete WB Epoxy Sealer to prime the surface.

Old Concrete or Plastered Pools (Inc Marblesheen, Pebblecrete and similar):

As above but will require a thorough alkaline detergent wash over all surfaces to remove body fats, oils and dirt. May also need an algaecide wash to remove the roots of algae.

Check condition of surfaces and repair any drummy, eroded or spalling – rust stained areas, looking at corroded reinforcing steel too.



Previously painted concrete, or plastered pools:

Establish what the current paint on the pool is. If it's an epoxy coating, coat as follows. (If it's anything else e.g. Acrylic, Chlorinated Rubber etc, it needs to come off).

COATING EPOXY:

- All unsound flaking paint must be removed, repair concrete etc.
- Abraid the surface (sand, grind, blast etc), then alkaline detergent wash to remove body fats, oils etc.
- Waterblast/Wash.

Fibreglass Pools:

Thoroughly alkali detergent clean and wash out all surfaces to remove body fats, oils and dirt. Check the gel coat surface for osmosis and if need be grind out and open up. Once dry, repair with suitable compounds and allow to cure. All surfaces to be sanded to a flat finish, or use a soda blast. Be careful not to cut into the underlying glass fibres.

Product Application:

All surfaces to be sound, clean and dry.

Application temperatures to be between 15 – 25°C, with surface temperature above 10°C and to remain so during the curing period. Ensure no rain – dew, expected within 4 – 8 hours of application.

Generally apply coatings in the morning so as to allow full cure before overnight dew is expected. Ideal time is from about 8 - 11 am.

Concrete WB Sealer:

All porous, concrete render surfaces (inc bare areas on painted pools) to be sealed first with Concrete WB Epoxy Sealer. Allow to cure overnight and no longer than 48 hrs before over coating. Apply at correct coverage rates to get a good sealed surface.

Epotec NT:

Mix and apply immediately with roller (cut in with brushes) to prepared surfaces. Allow to cure overnight. Apply second (and 3rd) coat in same manner. Apply at correct coverage rates to get the correct film build for the type of surface being coated.

Epotec NT Epoxy is a fast curing product. Work to apply 1 x 5kg pack in one hour.

Epotec Aqua 1K:

Stir and apply immediately with roller (cut in with brushes) to prepared surfaces. Allow to cure overnight. Apply second (and remaining) coat(s) in same manner. Apply at correct coverage rates to get the correct film build for the type of surface being coated.



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