

RECOMMENDED USES

Commercial surfaces:



Pedestrian Spaces



Netball Courts



Stadium Forecourt

Residential surfaces:



Paths



Alfresco



Pool Surrounds

SURFACES TYPES

- Concrete
- Tile – porous
- Paving
- Timber decking

SUMMARY

- Reduce heat by up to 40%
- Excellent slip resistance
- Excellent Adhesion



Any Colour

DESCRIPTION:

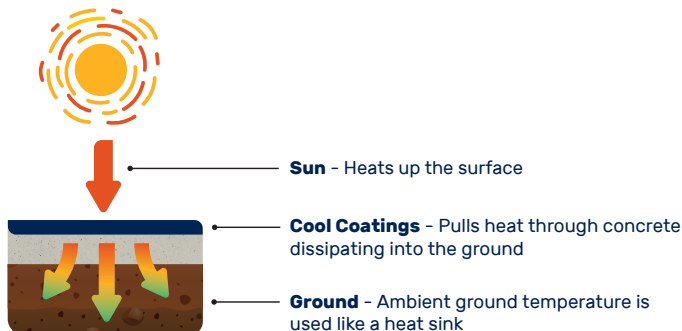
Cool Coatings is an application for surfaces to reduce the heat by up to 40%. Used in the US for over 15 years the product is widely used for hot surfaces that are in direct sunlight.

Cool Coatings is an environmentally friendly, low VOC solution for concrete, timber and porous tile surface types.

Three parts make up Cool Coatings. Our technology is one part liquid and one dry component. You require a coloured acrylic paint which is added to the two parts of Cool.

HOW IT WORKS:

Cool Coatings works as a heat sink. When the sun heats up the surface, Cool Coatings absorbs the sun's rays and sends the heat into the concrete allowing ambient temperature of the ground to absorb the heat.



RESULTS:

The hotter the sun the more Cool Coatings works. Testing has shown a reduction from 57°C to 38°C on applied surface.

Our Australian based testing have an average heat reduction of 35%.



COVERAGE:

One kit of Cool Coatings mixed with 4 litres of coloured acrylic paint will cover 30-40m², two applications are required for Cool to be effective. Finished applied ratio is 15-20 m².

PRODUCT INFORMATION:

Technology	Liquid component Dry component.
Client add	Acrylic water based coloured paint.
Appearance	When made up, toothpaste like consistency.
Pack size	8kg dry, 3.8lt liquid in a 20 litre mixing drum client to add 4 litres coloured acrylic paint.

**SURFACE PREPARATION:**

New concrete, minimum 14 days, Cool Coatings is porous and will allow the surface to breathe. Existing surfaces to be free of dust, oils, loose and flaking material. Pre-painted surfaces to be cleaned mechanically by scrubbing to lift loose paint.

Old concrete, paving, porous tiles and timber to be cleaned with acetic acid and neutralised. Allow to dry for 24 hours.

**SURFACE REPAIRS:**

Fine cracks and Pin holes in your surface can be filled with Cool Coatings product.

Cracks and Holes larger and deeper than 2mm need to be filled with a cement based grout.

Expansion joints are to be left free of Cool, fill with silicon or other suitable flexible filler prior to the application of Cool Coatings.

**TOOLS AND EQUIPMENT:**

For roll on applications we recommend 2 x 10mm nap rollers, tray and roller pole. You will need tape, plastic, drop sheet to protect the surfaces you don't want Cool Coatings to be applied to.

**SPRAY ON APPLICATION:**

For large areas greater than 100m² and professional applications only. Masking tape, rolls of plastic sheet. Hopper spray gun, compressor.

MIXING THE PRODUCT:

Remove the powder and liquid from the 20 litre transport pail. Have your acrylic coloured paint ready to go, stir well.

Using the transport pail, empty the contents of Cool Coatings Part A. Now add your 4 litres of acrylic paint.



Use the impeller mixer fitted to the drill to slowly mix the two wet components together, ensure you get to the edge and bottom of the pail. Mix for 2 minutes.

Now add the Cool dry component. Snip off the edge of the bag add ½ the bag at a time. Use the mixer when adding the dry component. Mix for 2 minutes, add the remainder of the dry and mix for 2 minutes.

When completely mixed the solution will be toothpaste like consistency.



Pot life at 30 degree ambient temperature is 45 minutes. Cover the mixed product not in use. Only mix enough that you can use in 45 minutes.

**APPLICATION:**

Start by applying Cool Coatings to the edge and difficult to reach areas with the brush.

Rolling the product is easy! With a roller the application is best done using smooth, slow strokes, rolling at higher speed will only have the product "spray off" the roller.

Cool Coatings is best applied using the tray to hold Cool, dip and roll off the solution so as to get a fully wet nap roller

When rolling, apply in a north south direction using a random method, no straight lines, go forward, back, across and back keeping a wet edge.

Continue rolling the product keeping the roller wet and full. The product will sit on the surface, trying to "roll it off" will not work, it wants to stay where you applied it, so go back and get some more Cool from the tray. Even applications will get a great job.

Apply second coat, in the opposing direction of the first. Slow strokes in an east west direction and random. Second coats go far further than the first.

CLEAN UP:

Water.

IMPORTANT NOTICE

Do not apply if extreme weather conditions are expected.

Surface temperature between 10-35 degrees C

The surface to be applied should be dry. No rain forecasted for 24 hours.

A test **MUST** be carried out prior to application to find out the suitability of this product for the purpose.

It's important to note that Cool Coatings is porous.

Maintenance of surface with Cool Coatings:

Cleaning. Due to the nature of the slip resistance characteristics, the surface will pick up material such as dust and dirt. In many circumstances rain will do most of the cleaning. It is easy to sweep or hose off.

Sealers to help maintain the surface:

For areas where food is served we recommend the application of a penetrating sealer. Coatings need to be a thin application. Call us for further information

We strongly recommended that stains should be removed from the surface as soon as possible to avoid possible permanent staining. Apply a small amount of dishwasher detergent, scrubbed with a Nylon brush and running water.

WARRANTY AND MAINTENANCE:

A **10 year warranty** is available for commercial and residential applications. The warranty is subject to terms and conditions for the applied finish.

Heat reduction, we warrant the product will be effective in reducing the heat of a surface in direct sunlight by up to 40%.

Slip resistance, we warrant the coefficient of friction will be maintained from the original specification for a period of 10 years on a well maintained surface. See warranty conditions.

Limitations of Cool Coatings:

Cool Coatings has proven effective in conditions of external use on pedestrian trafficable areas.

The coating is porous, not suitable for surfaces that require water proofing. The coating must be on materials such as concrete, porous tile, clay and cement paving. The surfaces are to be correctly installed with standard adhesives, glues and grouts, for timber and hybrid decking, an air gap is required under the decking to allow for Cool Coatings to dissipate the heat.

Choice of paint:

Your acrylic paint additive needs to be a standard acrylic paint, best results are acrylic paints that have little to no fancy additives and no nano coatings. We have found the lower priced, UV stable paints are perfect.

Go to our website for more information on choices of acrylic paints.

Getting the best outcome:

Lighter coloured paints work best. White and off white have the best temperature reduction results. Light grey and cream paints are next. Darker colours will get a result however

the change in temperature change is lessened due to the absorbent characteristics of darker colours.

Timber and hybrid (recycled plastic) decking have a heat reduction that is slightly lower due the material and mass of timber.

The coating can be applied to metal. Used on posts hand rails and similar will greatly assist in reducing the heat build up from direct sunlight. Application of Cool Coatings on metals requires the use of primers to help with adhesion. The heat reduction is excellent and we recommend the application onto posts and columns that are in direct sunlight.

For driveway and vehicular trafficable surfaces, tyre rubber will transfer to the coating, the hot tyres will leave some rubber on the surface where you park. We recommend you use a swatch of carpet or similar to have the car tyres stop on the barrier.

The weight of a car turning on the surface may remove the coating over time. The mechanical abrasiveness of turning into a driveway or similar is the same as grinding. Future wear can be remedied by another application of Cool.

Repairs, Cleaning and Maintenance:

If the coating is damaged then recoat the damaged area using the same acrylic coloured paint with Cool Coatings technology.

Cleaning the surface, by high pressure wash, pH neutral detergents and light scrubbing techniques only. Mechanical scrubbing with nylon bristled brush and water. No solvents, degreasers or sanding of the surface.

**STORAGE AND HANDLING:**

See Safe Data Sheet for further information

Wear appropriate clothing, gloves, eye protection.

Wash hands after use.

Storage of Cool Coatings at under 25 degrees C.

PRODUCT DISCLAIMER:

Cool Brothers do not accept liability either directly or indirectly for any losses that arise from the use or application of the product. You are solely responsible for the correct use and application in accordance with any advice, specification, recommendation or given by Cool Brothers.

DISPOSAL OF UNUSED PRODUCT:

Left-over made-up product to be disposed of according to Environmental Protection Agency guidelines and similar to acrylic paints.

IMPORTANT INFORMATION

Please ensure you read the SDS and TDS thoroughly and carefully prior to use. Application, performance, or safety data may change from time to time.

In the event of an emergency, contact the Poisons Information Centre (13 11 26 within Australia) or a doctor for advice.

IF THE SITUATION IS LIFE THREATENING DIAL 000 IMMEDIATELY. Industry standards recommend the accurate recording of time, dates, batch numbers, consumption rates and environmental conditions including the substrate and air temperatures.

KEEP OUT OF REACH OF CHILDREN