



Endura Paint Pty Ltd
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MAXICOAT 100

2 Pack Epoxy Top Coat

Product Information Sheet (PIS)

Product Description

MAXICOAT 100 is a high gloss, two component, water dispersed epoxy topcoat with excellent physical wear and chemical resistance properties. It is designed to be sprayed and acts as both a topcoat and a high-performance concrete coating. It is suitable for a variety of applications including interior plant and equipment, walls, workshop, and motorcar showrooms. It can tolerate the presence of water (including saltwater) and is ideal for surfaces which may flex slightly.

Product Features:

- Fast development of water resistance with good resistance to hydrostatic pressure
- Not prone to cracking, chipping, or peeling with excellent adhesion.
- Quick development of adhesion
- Good chemical resistance (acids, alkalis, engine oils, etc.) and superior resistance to dirt pickup.
- Range of colours
- Can be user on exteriors¹.

¹If UV GUARD is added (by request).

Product Benefits

MAXICOAT 100 offers these additional impressive characteristics:

Superior gloss level	Excellent spray qualities with recoatability at any time
No highly dangerous solvents, non-flammable	Contains no isocyanates.
Water cleanup	Safe for general storage

Product Characteristics

Specific Gravity	1.19 ± 0.20 (varies by colour)
Volume Solids Mixed	40% ± 3%
Colours	White (3030), Black (4066), Ferric Red (4144), Jade Green (4080JG), Moss Green (4080), Pillar Box Red (4081), Royal Blue (4079), Sunflower Yellow (4070SY), Golden Yellow (4070), Light Grey (4152), Mid Blue (3030MB)
Coverage Rates	Apply two coats at a rate of 7-9m ² /litre
Shelf Life	Maximum 10 years (stored in cool, dry, dark conditions)

Surface Preparation

For all surfaces, ensure that all grease, oil, dirt, and contaminants have been removed using neat (undiluted) FLOORPREP 100, scrubbing the surface thoroughly. Allow surface to soak for 15-20 minutes then hose the area off with clean water and allow it to dry thoroughly. For badly contaminated areas, the FLOORPREP 100 treatment may have to be repeated. Allow surface to dry at least 24 hours in summer, or 48 hours in cooler weather prior to topcoating.

Ensure the surface to be painted is clean and dry, and all loose or flaking material has been removed. If the surface is shiny, abrade with a wire brush or sanding paper and remove all dust.

WARNING: TILT UP PANELS: These surfaces (incl. the floor) are sealed with SHUTTER OIL which must be removed with neat FLOORPREP and then washed off and allowed to dry before acid etching. Test the dry surface before painting.

CONCRETE

Concrete surfaces must be fully cured (minimum 30 days) before preparation for top coating.

1. Suit up with necessary Personal Protective Equipment such as rubber gloves, boots and a face mask or goggles, and abide by all manufacturers' instructions.
2. The concrete must be acid-etched prior to coating. To do this, dilute hydrochloric or pool acid 1:4 by volume with water (always add the acid to the water, and not vice versa). Work the etching solution into the concrete for 15-20 minutes using a stiff broom.



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3. Thoroughly hose away the acid residue and allow the concrete to dry completely, waiting at least 24 hours in summer, or 48 hours in cooler weather.
4. Test several areas of the concrete to ensure that no water-repellent finishes are present by pouring a small amount of water onto the surface. If it beads up and resists absorption, the area will require re-etching and re-cleaning.

ALUMINUM, BARE STEEL & GALVANIZED SURFACES

1. For all other surfaces, ensure that all grease, oil, dirt, and contaminants have been removed using neat FLOORPREP. Wash off the FLOORPREP with fresh water and allow dry.
2. Remove any loose or flaking paint and prime surface with a thick coating of Phoenix METALFIX 1000 primer. Apply 1 to 2 coats of METALFIX for rusted surfaces.
3. When dry and cured, topcoat with two coats of MAXICOAT 100.

Mixing

Always stir the Part 'A' and the Part 'B' separately (using 2 different stirrers) prior to mixing to ensure they are fully homogenous before combining.

MIXING RATIO: 1:1 by volume

Add the same volume of Part 'A' and Part 'B' to a vessel and stir thoroughly. Allow the mixture to stand for 5-10 minutes, stirring occasionally. The mixture will thicken with time. Do not make up too much of the mixture initially. We recommend starting with one litre of Part 'A' and one litre of Part 'B' to avoid waste.

POTLIFE: 2 hours at 25°C

If the surface will experience prolonged exposure to UV/sunshine, UV GUARD may be added to minimize dulling/chalking of the coating.

Application

1. Apply 2 coats of MAXICOAT 100 using a brush, roller (8-15 mm nap) or spray gun (conventional or airless). Do not use flat or sponge rollers. Ensure that the correct tip size is used to avoid dry over spraying which can give rise to reduced gloss levels.
2. If the weather is warm or the paint appears to be thick, add a small amount of MAXICOAT water-based **REDUCER** until the paint flows satisfactorily. **DO NOT OVER DILUTE**. As a guide, approximately **5% - 10% REDUCERS** by volume may be used (but this can be varied according to experience). If the paint can drip off the roller, too much Reducer has been added.
3. Allow 12 hours between coats, depending upon the prevailing temperature and humidity, but if possible, during damp or cool conditions, leave overnight before recoating.

WARNING: If using an airless spray, ensure that the paint is sufficiently diluted and to minimize the period between mixing and spraying, to avoid problems with increasing viscosity. Remove the stainless-steel basket filter in the handset to avoid pressure build-ups in the lines.

Always carry out a test patch to confirm adhesion before proceeding with the whole area.

NON-SLIP FINISH

To produce a non-slip finish in the final film, Phoenix Paints GLASS BEADS (maximum bead size 540 microns) can be added. These should be sprinkled on top of the first coat of MAXICOAT 100 while it is still wet and NOT stirred into the mixture prior to application, since an even distribution cannot be achieved.

Typically, 2-3 kilograms of GLASS BEADS per 10 litres of paint are added, but this can be varied to suit. Keep in mind that more beads promote a greater non-slip effect, but this means more dirt will be attracted to the surface and make it more difficult to clean.

IMPORTANT NOTE: It is not recommended to apply MAXICOAT 100 if the temperature is below 12°C or above 30°C. During extremes of hot weather, apply the coating early in the morning, having cleaned and prepared the surface previously. During cold weather, all Phoenix Paints products must be warmed to 25° to 30°C before the coatings are applied. This can be achieved by immersing the container in hot water and stirring occasionally.



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NOTE: If any Phoenix Paints product is being used in conjunction with any other paint or coatings brand, we strongly advise to carry out a test patch first to ensure that no adverse reaction occurs.

Drying/Curing

	25°C 50% RH
Touch Dry	15 minutes
To Recoat (With MAXICOAT 100)	12-24 hours
Full Cure	4 days

Ensure the MAXICOAT 100 is fully dry and cured before being exposed to moisture or rain.

Clean-Up

Wash all equipment immediately after use with clean water. Do not allow the coating to set hard on any items.

Ordering Information

MAXICOAT 100 is available in the following package sizes: 2 Litre, 4 Litre and 10 Litre (mixed).

Storage

Keep product frost-free and protect from freezing. **DO NOT** store any Phoenix Paints products in work vehicles or vans – the temperatures inside may affect the formulations. Store out of direct sunlight.

Safety Precautions

Please refer to all Safety Data Sheets (SDS) before using this product. SDS can be requested by email at admin@endurapaint.com.au or on our website at www.phoenixpaints.com.au.