Required Equipment

Spray: Star SP770 with 1.7mm–2.0mm tip (or equivalent). Air pressure approx. 275–310kPa (40–45psi).

Airless Spray: Use heavy-duty airless spray with 17 to 21 thou tip.

Electrostatic Spray: Use electrostatic spray gun, thinning 30–40% with 120S epoxy solvent.

Pressure Pot: Set pot pressure at 55kPa (8psi) and maintain gun air pressure at approx.. 275kPa (40psi).

Brush or Roller: Use a high quality, medium to long nap roller (depending on surface roughness). For large floors use a 270mm roller.

Application

By Spray Gun: May be applied by suction, pressure, airless or electrostatic spray. Use a 50% overlap with each pass of the gun to achieve the specified film thickness. On irregular surfaces, coat the edges first, making an extra pass later. Under certain conditions a mist coat followed by a wet coat may be required. Avoid excessive film build-up.

Brush or Roller: Apply by appropriate-sized roller evenly to achieve coverage. Thinning up to 10% with 120S can improve first coat penetration especially on concrete surfaces. The second coat can be thinned up to 10% or used as is to create a uniform finish.

LESS SLIP for Floors: Evapoxy can be given a more slip-resistant surface by the addition of Less Slip additive – ALS4L (60 grams; sufficient for addition to 4 mixed litres) or ALS20L (300 grams; sufficient for addition to 20 mixed litres). This additive creates a surface texture that reduces slip when wet while allowing for easy cleaning.

Epoxy Aggregate for Ramps and Gradients: The grip required for these areas can be achieved by adding AES40 Epoxy Sand to the mixed Evapoxy at approximately 60 grams per mixed litre. Regularly stir the product to keep the mixture even and consistent during application. AES40 Epoxy Sand is available in 2.5kg, 6kg and 20kg packs.

Aggregate is not recommended in floor coatings for wet areas that require regular cleaning, particularly in sterile environments as the aggregate makes the flooring harder to clean thoroughly.

Evapoxy should not be applied at temperatures below 10˚C. The cure rate is substantially reduced by cool conditions. Be aware that concrete floors and steel can often be below this temperature during the cooler months. Conversely, heat improves curing.

Surface Safety

Additives such as aggregate in floor coatings will not produce a slip resistant surface that can always be considered safe for pedestrians on ramps, stair treads and other walkways that are likely to get wet.

It is recommended for that other aids such as non-slip matting, adhesive ribbing and strips are employed to ensure pedestrian safety when these surfaces are wet.

Clean Up

WITH 120S EPOXY SOLVENT. Spraying equipment should be thoroughly flushed clean before the coating cures with 120S solvent.

Colour Matching

Because of the variations that occur in paint charts, samples, etc., it is your responsibility to ensure any colour we provide is correct or acceptable to you and your customer before you use it. The Evic Group will not accept liability for any colour once it has been applied.

We recommend reading Evic's Guide to Colour for comprehensive details of our service and terms and conditions of sale.

LEADED PAINT: The Australian Uniform Paint Standard states that paints containing lead cannot be used on any: roof or surface to be used for the collection or storage of potable water; furniture; fence, wall, post, gate, building, (interior or exterior), bridge pylon, pipeline, storage tank or any similar structure; premises, equipment or utensils used for the manufacture, processing, preparation, packing or serving of products intended for human or animal consumption.

GLOSS LEVELS: PRODUCTS ARE MANUFACTURED TO CONFORM TO THE GLOSS LEVELS INDICATED ±5%. LEVELS ARE READ USING A 60° HEAD ACCORDING TO AS1580 METHOD 602.2

Safety Data

REFER TO M020/M021 FOR FULL DETAILS

Shelf Life

Up to 12 months if stored in a properly sealed container.

Users

This is a specialised industrial coating and should only be applied by experienced and competent tradesmen and in accordance with the manufacturers specification. Please read material Safety Data Sheet **M020/M021**.

Further Information

Go to www.evic.com.au for product and material safety data on all Evic Group products. Information is also available in booklet and CD-ROM form, or by e-mail and fax transmission.

For further enquiries, call the Evic Group on (freecall) 1800 761 761.

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D020

EVAPOXY

industrial epoxy systems by CAMPBELL PAINTS

The ultimate in multi-purpose epoxy systems.

020-021 is an outstanding two-pack epoxy topcoat with extreme versatility. It can be used on walls, floors and machinery to provide chemical resistance and corrosion protection. It can also be used for concrete ramps and securing stair treads through a Less Slip additive or epoxy aggregate.

Easy to use, with excellent pot life and build it is the ideal product for interior industrial applications.

B - black | CA129 - charcoal dust | CA058 - smoke grey | CA049 - light grey | CA123 - teal hedge | CA046 - light blue

CA057 - deep buff | CA038 - clay | CA124 - big rock | CA126 - volcanic ash | CA122 - rich terracotta | CA130 - light terracotta

CA098 - ferric red | CA131 - boulderstone | CA127 - rich red | CA132 - monsoon rains | CA125 - oxford | CA003 - urchin green

CA128 - olive hill | CA047 - yellow | S099 - mb grey | AS-R13 - signal red | CA078 - safety yellow | OB021 - bright orange

DUE TO PRINTING LIMITATIONS, COLOURS FEATURED ARE A GUIDE ONLY AND BASED ON CAMPBELL PAINTS STANDARDS. FULL COLOUR RANGE AVAILABLE

COLOURS FOR LINES & DEMARCATION AVAILABLE IN 021 EVAPOXY

Key Product Features

- Multi-purpose Interior Protection
- Two Gloss Levels - Less Slip additive an available option
- Multiple Application Techniques Possible
- Very Good Pot Life - up to 5 hours under normal conditions
- High build - up to 150 microns wet
- Lead-free (020) and Leaded (021) Colours Available

Ideal Use

020/021 EVAPOXY Epoxy Topcoat is the ideal epoxy finish for nearly all heavy-duty interior applications. Excellent for steel, masonry and concrete, its versatility means it can be used on industrial machinery, steel frames, shelving, piping, walls and concrete flooring. With the addition of Less Slip or aggregate it can provide a more slip resistant surface to floors and ramps (see **Surface Safety** for more information).

Available Sizes

PART A (020A/021A) is available in **1.5L, 3L** and **15L** cans

PART B (020B) is available in **0.5L, 1L** and **5L** sizes

Kits (A+B) are also available

MIXING RATIO (A:B) IS 3:1 - product must be applied strictly as specified.

Gloss Levels

Both 020 and 021 are available in GLOSS and SATIN. **Note:** gloss levels in epoxy products are determined by the Part B component. Therefore, the Gloss Part B will produce a Gloss finish.

Performance

Weather: Will chalk and yellow with UV exposure, however anti-corrosive properties will remain unaffected. For superior exterior presentation, top coating with an exterior-grade product (e.g. 940) is recommended. **Note:** White and pastel colours are prone to yellowing even with interior exposure.

Chemicals: Excellent for most chemicals, alkalis and dilute acids. Not resistant to concentrated mineral or oxidising acids or phenols.

Water: Excellent for both fresh and salt water. Not recommended for long-term immersion.

Abrasion: Excellent resistance to abrasion.

Recoatability: Excellent with itself and other epoxies and polyurethanes. Aged surfaces should be sanded first.

Technical Data

Recommended Dry Film Thickness per Coat: 75 microns

Wet Film Thickness (for 75 microns DFT): 120 microns (unthinned); 150 microns (thinned)

Volume Solids: 63% (unthinned); 50% (thinned)

Spread Rates: 6.7m^2 per litre @ 75 microns DFT (unthinned); 8.4m^2 per litre @ 75 microns DFT (thinned 30%)

Recoatability: Excellent with itself and other epoxies and polyurethanes. Aged surfaces should be sanded first.

Epoxy Colours

PLEASE NOTE: Due to their chemical properties, epoxy coatings have very poor resistance to yellowing and may "move" from its original shade in a very short period. The extent of this change depends on the colour, exposure to UV light and service conditions. This colour movement in no way affects the protection or durability of the coating. Epoxy systems should not be considered where matching existing colours in the future is a requirement.

Dry Times @ 20˚C

Time to Touch Dry: 2 hours

Time to Handling: 16 hours

Time to Recoat: 8 hours

Pot Life @20˚C

Vol.	Temp.	Thin	Pot Life
1 LITRE	25°C	30%	3.5 h
		0%	2.0 h
	35°C	30%	2.25 h
		0%	1.0 h

WARNING: These pot life times are approximate for 1 litre of mixed material. Mixing more will reduce these times. Combining a 20 litre kit will reduce them by as much as 50%.

Over the pot life viscosity will increase. Further thinning may be required during this period. The limit of pot life is reached when viscosity doubles. The material will soon gel, making it unusable. How long this takes is dependent on volume, temperature and thinning. In high temperatures gelling may occur in as little as 30 minutes after mixing A and B (20L mix, 0% thinning).

Surface Preparation

Fresh Concrete - Fully cured; 28 days

Walls, Floors, Aged Concrete - Refer to data sheet Surface Preparation for Floors (DSPrep) for more information on coating walls, floors and aged concrete.

Metal Surfaces - Mild steel surfaces should be prepared and primed in a manner consistent with its end use. For atmospheric exposure blast clean to AS1627.4 Class 2½, or use power or hand tools to produce a bright metal surface; then apply a suitable prime coat. Non-ferrous metals are preferably prepared by chemical deoxidising and chromate conversion. Otherwise, apply 145E Etch & Protect Primer according to the directions in its datasheet (D145E).

Previously Painted Surfaces - May be applied directly over most sound, well-adhering existing paints. Surface must be clean and free from flakes, chalking or other contaminants. Existing polyurethanes and epoxy coatings should be sanded to remove gloss and provide a key for adhesion. Adhesion may diminished if applied over single pack paints or sealers.

Other Substrates - May be applied over most masonry or timber substrates if they are clean, free from surface defects and/or well primed. Refer to the Evic Group for specific recommendations.

Substrate Test - The above comments are given as a guide to aid the user in achieving the correct standard of surface preparation. It remains the responsibility of the applicator to verify the adequacy of the surface preparation and application method. If uncertain about the product's compatibility with the condition of the surface or with existing paint, apply a test patch and check adhesion or wear characteristics.

Mixing

MIX BY VOLUME 3 part of "A" to 1 part of "B".

Mix until product is uniform in colour and consistency. Allow to stand for 15 minutes before use.

Less Slip and Aggregate Additives for Floors: Evapoxy can be given a slip-resistant surface by adding Less Slip or Epoxy Aggregate. These additives are used to create a rougher surface, helping to minimise slip in certain areas. See **Application** and **Surface Safety** for more information.

Thin Quantity

0-40% WITH 120S, DEPENDING ON APPLICATION

By spray gun: 30-40% with 120S epoxy solvent.

Rolling and brushing (for floors): Up to 10% with 120S epoxy solvent.

Stir thoroughly using a flat-bladed stirrer (never round) before and during use.