



# BITUCOLOUR

HEAVY DUTY 1K Solvent Based Colour for Bitumen, Concrete & masonry traffic ways.

## GENERAL DESCRIPTION

**BITUCOLOUR** is a highly durable, non-skid, solvent based fast dry coloured coating designed for brush, roller and spray application to asphalt, concrete and masonry traffic ways. It is also suitable for decorative stencil application over exiting driveways and is available in a range of colours, aswell as in a clear.

**BITUCOLOUR** is quick dry and equipment clean- up is very easy as the dried coating will re-dissolve in its own reducer or simply by soaking with further wet product. Re-coating can be done after 2 hours, inter-coat adhesion is excellent, with unlimited pot life.

## PHYSICAL CHARACTERISTICS

<b>Colour</b>	See satin colours available below. Also available in clear satin.
<b>Appearance</b>	Viscous liquid
<b>Viscosity</b>	7.5 to 8.5 poise @ 25C
<b>Density</b>	0.95 to 1.10 (depending on colour)
<b>% volume solids</b>	48%
<b>% weight solids</b>	56%
<b>Vehicle solids weight</b>	50%
<b>PVC</b>	57%
<b>Slip resistance</b>	Static coefficient of friction = 0.88 (dry) = F rating Probability of slip (dry ) = very low British pendulum = 51 (wet) = W rating Probability of slip (wet ) = low

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## USES

**BITUCOLOUR** can be used on Bus lanes, Cycleways, Bus Parking Bays, Play Grounds, Car Parks, Private Driveways and general Masonry and Concrete areas.

**BITUCOLOUR** can also be used as a coloured coating on residential streets, footpaths, kerbing, median strips, roundabouts and concrete, asphalt/ bitumen and masonry driveways and will protect against moisture penetration & UV, creating a renewed decorative surface resistant to ultra violet rays and rainfall. These two factors are the major cause of pavement failure. **BITUCOLOUR** will also enhance the overall look of the existing pavement making it look brand new again.

**BITUCOLOUR** may also be used on bare timber decking, verandahs and boardwalks etc. The first coat acts as a primer and subsequent coats will deliver the desired film build.

## FILM BUILD AND SPREADING RATES

**BITUCOLOUR** is 50% non- volatile which means that if the applied wet film thickness is 200µm, there will be a dry film thickness of 100µm.

The application rate generally varies from between 2m<sup>2</sup>/L on heavily oxidised pavements or open grade type pavements to 6m<sup>2</sup>/L on smooth surfaces. It can be applied in layers to build up to a specific film build if required or it can be applied in one or more coats. For optimum durability, it is recommended that 3m<sup>2</sup>/L is applied to asphalt and 6m<sup>2</sup>/L is applied to concrete.

Spreading Rate	Wet film thickness	Dry Film Thickness
2m <sup>2</sup> /L or 0.5L/ m <sup>2</sup>	500µm	250µm
4m <sup>2</sup> /L or 0.25L/ m <sup>2</sup>	250µm	125µm
6m <sup>2</sup> /L or 0.17L/ m <sup>2</sup>	170µm	85µm

## SKID/SLIP RESISTANCE

Skid and slip resistance is dependent upon the friction that occurs between the contact surface of tyres and shoes and the pavement. Generally speaking, the coarser the pavement, the greater the skid resistance.

**BITUCOLOUR** can be specially formulated to have maximum micro (added) texture and when combined with the macro texture of the pavement will give optimum skid resistance. On fine pavements, care should be taken to avoid high film builds that may overcome the macro texture of the pavement.

## STIRRING OF PRODUCT BEFORE APPLICATION

If planning to roll apply, it always best to stir in can slowly using a broad flat mixing spatula, or if using a power mixer operate on lowest possible speed to avoid introducing excessive air into material.

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## APPLICATION

**BITUCOLOUR** is supplied ready for use for most application methods, however when rolling and spraying it can be thinned as required (10-20%) with **AC Reducer** which may also be used to clean up equipment. One or two coats (preferably 2 x coats, allowing 2-3 hours between coats). **AC Retarder Reducer** may be used on hot pavements to slow down the drying time and maintain a "wet edge" to assist with lapping. 10 -20% retarder is generally sufficient in hot conditions.

**BITUCOLOUR** is brush, roller, or spray applied onto existing pavements and becomes an integral part of the paving material. It will form a strong bond and does not alter the physical characteristics of the substrate. The recommended tip size for airless spray is between 0.018" and 0.032" depending upon the desired flow rate. When using a roller it is important to use a Short Nap (5mm), preferably a FOAM roller generating less aeration (bubbles), than mohair or similar.

**BITUCOLOUR** is specifically designed to apply a coloured material onto existing bitumen or concrete surfaces. The material itself is highly compatible with those used in bitumen road surfaces which ensures an excellent bond.

## PREPARATION

Surfaces must be clean and dry. Small amounts of residual dust and grit will be bound up by the **BITUCOLOUR** however, for best results, all loose and flaking material must be removed. The surface must be dry or delamination may occur.

## REPAIRS AND RECOATING

Because **BITUCOLOUR** is fast dry, it is very easily recoated and repaired. **BITUCOLOUR** also has the unique ability to be applied over existing coloured pavements including epoxy (after sanding) and water- based systems in cases of trench work to repair electrical or sewer lines etc. If unsure about adhesion and integrity of existing coatings, always do a test section first before launching into the job.

## DRYING TIME

**BITUCOLOUR** has been specially formulated to enable penetration yet set quickly enough to permit traffic a short time after application.

**BITUCOLOUR** is touch dry in 30-60 minutes (dependent on Film Build) @ 25°C and 50% humidity. Generally, it takes between 2 – 3 hours to cure depending on weather conditions, road temperature and the application rate. The pavement must be dry and clean for the material to absorb properly. Weather limitations are only rain. It can be sprayed during day or night work. Do not apply below 10 degrees.

**NO PICK- UP TIME** greatly depends on film builds and weather conditions. **Traffic-ability** can be from 30 to 60 minutes ie, once it is touch dry, there will be no pick- up on tyres or shoes.

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## HEALTH AND SAFETY

- Being a solvent based product, breathing its vapours is to be avoided.
- Use only in well ventilated areas.
- FLAMMABLE Do not use near naked flames or ignition sources.

## PACK SIZES

Available in 20L pails or 4 Tins. Special packaging can be arranged on “make to order” quantities. Steel containers are recyclable provided they are empty and any residual product is dry.

## COLOURS

**Note:** Virtually any colour can be made to order for special projects .

AS2700 Name	AS2700 No.	Our Name	Colour suitable for
Terracotta	R52	<b>Uluru Red</b>	Bus Lanes
Venetian Red	R62	<b>Homestead Red</b>	Bus Lanes
Shamrock	G23	<b>Jade Green</b>	Cycle ways
Charcoal	B64	<b>Charcoal</b>	Obliterating
Bluebell	B41	<b>Revesby Blue</b>	Disabled parking bays
Golden Tan	X53	<b>Sunset Marigold</b>	
Coffee	X52	<b>Cream Sandstone</b>	
Wattle	Y12	<b>Wattle</b>	Line marking
Off White	Y35	<b>Bone White</b>	Line marking
Brown	X54	<b>Walnut Brown</b>	
Pale Ochre	X21	<b>Acacia Yellow</b>	

For specific product advice, please contact technical sales support at:

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