

## Pigment Dispersions for Solvent-Based Coatings

SHIMI COLOURS are designed specifically for use in high-performance, non-aqueous, industrial and maintenance coatings. The colorants are exceptional for universal tinting of solvent-based industrial coatings.

SHIMI COLOURS are recommended for use in a wide range of coating systems such as:

- Acrylics
- Epoxies
- Polyurethanes
- Polyaspartic

### Description

Quality pigments used in SHIMI COLOURS are dispersed in an acrylic resin carrier fluid. The carrier fluid provides excellent wetting and dispersing properties superior to other acrylic resins available. Propylene Glycol Monomethyl Ether (PM) Acetate and Naphthol Spirits are the solvents used in this product. Each colorant contains a carefully selected and unique blend of carrier fluid, solvent, pigment and additives to yield acceptance in a wide range of non-aqueous coatings applications. The individual SHIMI COLOURS formulations are designed to minimize the dispersing resin and additive levels needed to achieve colorant acceptance in a variety of coatings systems.

### Applications

SHIMI COLOURS are formulated for use in most solvent based, non-aqueous industrial coatings as well as aerosols, concrete protection, general industrial finishes, industrial maintenance, marine, and protective coatings.

### Properties

SHIMI COLOURS is developed for broad based tinting of non-aqueous industrial coatings. SHIMI COLOURS exhibit excellent pigment development and rheological characteristics that contribute extraordinary stability to the colorant.

SHIMI COLOURS are controlled to a tinting strength tolerance of  $\pm 2\%$  by volume. Rheological properties of the colorants are also controlled to allow for use in volumetric tinting machines. This close control allows for accurate reproduction of color in our Industrial Color System or in custom systems through in-plant or dispenser tinting.

### Compatibility

SHIMI COLOURS have been evaluated in a large number of maintenance and industrial coating types at 5 to 15 percent loading. Properties tested included high gloss, gloss retention, hardness, adhesion, effects of over-bake and effect of acid, alkali, solvent and water resistance. Results are consistent with the individual, typical pigment properties, and good results are expected in a wide variety of coatings applications based on acrylic, epoxy, polyurethane and polyaspartic coatings. SHIMI COLOURS are also

compatible with most aliphatic and aromatic hydrocarbons, esters, ethers, ketones, and reactive diluents.

## Shelf Life

Proper handling is essential to maintain good quality. It is recommended that SHIMI COLOURS to be mixed prior to use. Containers should be tightly sealed when not in use. Repacking SHIMI COLOURS into a smaller container should be considered if the colorant level in the container is less than 20% of the original amount and will be stored for a extended period of time. Shelf life of SHIMI COLOURS are 3 years for most colorants and 2 years for white and oxide colorants from the date of manufacture in unopened containers.

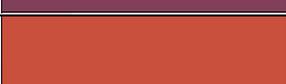
## Packaging:

SHIMI COLOURS are packed in 250mL steel containers with easy pour lids. The weight of the content may differ from colour to colour based on the SG of the product. For example, SHIMI WHITE contains just over 250mL of white pigment dispersion equivalent to 500gram of product.

## Storage:

Containers should be tightly sealed when not in use. This will prevent the absorption of atmospheric moisture and minimize the chance of airborne contamination. Containers should be stored in a manner as to protect them from temperature extremes (5-50°C). Material should be mixed prior to use if stored over 30 days.

## SHIMI COLOURS – Shimicoat Popular Colours / Features and Properties

Aus Std CODE	SHIMI CODE	Specific Gravity	% Composition by Weight			VOC <sup>1</sup> g/L	Representative Colours
			Pigment Solid	Carrier Solid	Volatiles		
<b>B12</b> Royal Blue	Royal Blue	1.03	21.5	30.3	48.2	497	
<b>G27</b> Homebush Green	Homebush Green	1.08	19.2	31.8	49.0	525	
<b>N14</b> White	White	1.99	68.5	14.5	17.0	331	
<b>N61</b> Black	Black	1.08	17.1	23.6	59.3	596	
<b>P11</b> Magenta	Magenta Violet	1.01	19.5	24.7	55.8	548	
<b>R12</b> Scarlett	Scarlett Red	2.01	61.8	12.2	26.1	503	
<b>R22</b> Homebush Red	Homebush Red	1.03	26.8	22.7	50.5	516	
<b>R24</b> Strawberry	Strawberry Red	0.99	20.6	25.7	53.7	529	
<b>R64</b> Deep Indian Red	Deep Indian Red	1.50	46.0	23.3	30.7	452	
<b>Y23</b> Buttercup	Buttercup Yellow	1.09	30.6	24.0	45.4	484	
<b>Y42</b> Mustard	Mustard Yellow	1.65	53.8	14.2	32.0	525	
<b>N54</b> Basalt Grey	Basalt Grey	1.81	58.2	16.3	25.46	384	
<b>Y22</b> Custard	Custard Cream	1.96	65.6	14.4	20.0	350	
<b>N24</b> Silver Grey	Silver Grey	1.97	58.2	16.3	25.5	336	

<sup>1</sup> Volatile Organic Compound

Y33 Pale Primrose	Pale Primrose	1.97	65.6	14.4	20.0	341	
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## DISCLAIMER

Environmental Data Sheet and bioassay information can be provided upon request.

The information provided in this document is guidance only and considering the uses of this product are beyond the seller's control, the product is sold without guarantees or warranties. Warranties and guarantees shall be governed by our Standard Terms of Sale of Shimicoat Pty Ltd. The purchaser shall make its own tests to determine the suitability for their specific application, and Shimicoat Pty Ltd is taking no responsibility for misuse of the product. The purchaser assumes all risk of use and handling of this product. This product will be happily replaced or credited back if defective. Beyond this, Shimicoat Pty Ltd is not liable for any damages caused by this product or its use.

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