

ULTIMATE

Two-Pack Multi-Purpose Polyurethane Satin (Pigmented)

Product Code: U2MPS

Product Description

Haymes Ultimate Two-Pack Polyurethane Satin is a unique, environmentally responsible water-based acrylic polyurethane. The low VOC formula is easy to use and is suitable for brush, roller or spray application. This quick-drying coating may be applied over an epoxy base coat to provide a tough coating system that resists UV, weather and yellowing. With good chemical and abrasion resistance properties, Ultimate Polyurethane Satin is a high-performance product that offers exceptional durability.



Key features:

- ✓ Fantastic UV protection
- ✓ Food grade coating
- ✓ Excellent dirt resistance
- ✓ Good chemical resistance
- ✓ Low odour / VOC

Typical Applications

Concrete, masonry and suitably prepared metal surfaces in applications such as;

- Car parks and driveways
- Shopping malls
- Showrooms, garages and workshops
- Concourses
- Exterior façade coating

Typical Properties

Vehicle type	Acrylic polyurethane
Hardener	Water dispersible isocyanate
Mixing ratio	8:1 by volume (Pack A: Pack B). These products MUST BE POWER STIRRED. Power stir Part A, then together as Part A + Part B on high speed ensuring components blend thoroughly.
Pot life	Approximately 1.5 hours @ 25 °C
Finish	Satin
Colour	White, EDT
Sizes	4.5 L, 9 L
Clean-up	Water
Coverage	Up to 6-9 m ² /L
Film build	Wet: 110-170 um Dry: 50-75 um
Application tools	Airless spray (11–13 thou tip) at 1700 - 2100 psi Synthetic brush 5 - 10mm synthetic roller sleeve

Technical Data

Volume solids	43%
VOC	36 g/L
Abrasion resistance	Excellent
Chemical resistance	Very good to a wide range of chemicals. Contact Haymes Paint for further information.
Dry heat resistance	Up to 120 °C

Solvent resistance	Very good
Salt spray resistance	Good
Durability	Very good

Dry Times			
Temperature	Touch Dry	Hard Dry	Full Cure
25 °C	3 - 5 Hours	18 - 24 Hours	7 Days
15 °C	5 - 8 Hours	32 - 40 Hours	10 Days
10 °C	8 -11 Hours	48 - 60 Hours	15 Days

NOTE: The application of water-based polyurethanes at low temperatures can cause bloom. This shows as low gloss and a cloudy effect on the coating surface. High humidity will also slow down the cure and may cause bloom. Water-based coatings should be applied when the humidity is below 80%. At cooler temperatures or higher humidity, drying times will be extended. **You must ensure adequate airflow over coated surfaces to ensure the coating dries and hardens.** As the size, location and weather conditions of projects vary, you must consult with a Haymes Paint representative on the need for industrial exhaust fans and ventilators to provide adequate airflow for your project.

Surface Preparation	
General surface preparation	<ol style="list-style-type: none"> All surfaces must be structurally sound, clean, dry and free of contamination, particularly salt deposits. Loose or flaking paint must be removed by abrasive blast cleaning, power tool cleaning or sanding, to AS1627.
Previously painted surfaces	<ol style="list-style-type: none"> All surfaces should be free from oil, grease, loose paint and other contaminants. The existing coating must be thoroughly abraded. Oil, grease, dirt, and other contaminants must be removed with detergent and water blasting or solvent cleaning to AS1627.1 A test patch is always recommended before use. Adhesion of the test patch should be checked prior to painting the entire surface.
Concrete	<ol style="list-style-type: none"> Allow new concrete surfaces to cure for a minimum of 28 days before painting. Surface to be painted should be free from oil, grease and other contaminants. Moisture content should be less than 5.5%. Grind the surface to remove laitance and provide key. Apply one basecoat of Ultimate Two-Pack Epoxy Satin (pigmented).
Steel structures	<ol style="list-style-type: none"> Degrease the surface and remove all weld spatter and flux. Grind sharp edges and corners. For best results abrasive blast clean to AS1627.1 to 9. Apply a suitable primer according to specification. In corrosive environments steel typically requires an anti-corrosive primer as a barrier coat.
Aluminium, galvanised iron & Zinalume®	<ol style="list-style-type: none"> Remove oil and excess grease with a mild detergent or sugar soap. Slightly roughen the surface with the help of sanding or light whip-blasting with a non-metallic abrasive. Apply a suitable primer according to specification.
Plasterboard	All surfaces must be clean, set, and dry prior to painting. Remove all dust from the surface by wiping it down with a damp cloth. Once dry, apply one coat of water based acrylic sealer undercoat followed by two coats of Ultimate Two-Pack Polyurethane Satin-Pigmented.

Precautions

- DO NOT apply if ambient temperature is less than 10 °C or greater than 35 °C or if conditions will drop below 10 °C during the drying period. Not to be applied above 80% relative humidity.
- Ensure adequate airflow and ventilation during both application and drying period.
- **Please check the colour for accuracy prior to application. Haymes Paint accepts no responsibility for the application of incorrect colours.**
- **Not suitable for tiles.**
- **Due to the chemical composition of tyres, contact between tyres and this coating may result in tyre staining.** Given the wide variation in tyre composition and age, Haymes Paint makes no warranties as to the performance of the coating and potential tyre staining.

Application

- **Mixing:** Part A must be power stirred separately thoroughly, then Part A + Part B for at least 2 minutes before thinning, without causing an excess of foam.
- Once units of paint have been mixed they should not be resealed. After prolonged breaks, it is recommended that work recommences with freshly mixed units.
- Stir thoroughly before and during application.
- Apply a minimum of one topcoat of Ultimate Two-Pack Multi-Purpose Polyurethane Satin (Pigmented) for internal areas or two topcoats for external areas by brush, roller or spray to achieve sufficient film build.

Thinning

Maybe thinned with up to 10% clean water to achieve acceptable atomisation. Thinning may necessitate the application of additional coats to achieve sufficient film build.

Clean-up

Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with water. Clean all equipment after use with water, detergent solution or methylated spirits. It is good work practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time.

Care and Maintenance

To rejuvenate the surface coating and extend the longevity, regular cleaning is recommended. Clean the entire surface using a pressure washer to remove dirt and debris.

Safety and First Aid

WARNING – Hazardous substance. Keep out of reach of children. Read label before use. Avoid breathing fumes, mists, vapours or spray. Do not get in eyes, on skin or on clothing. Wear protective clothing, gloves, and face and eye protection during use. Wash contacted areas thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash before reuse. Harmful if swallowed. **IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. Harmful in contact with skin. May cause an allergic skin reaction. **IF ON SKIN:** Wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice. Additional information is listed in the safety data sheet. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Harmful if inhaled. May cause respiratory irritation. **IF INHALED:** And irritation has occurred, remove victim to fresh air and observe until recovered.

For further safety information please refer to the product Safety Data Sheet available at <https://www.haymespaint.com.au/products/technical/product-data-sheets-and-safety-data-sheets/>

Storage

Store in a dry place. Store in a closed container. Protect from sunlight. Store between 5 °C and 30 °C.

Protect Our Environment

Even though the Ultimate range of low VOC and low odour products are water-based, NEVER allow any leftover product to enter drains or waterways. Dispose of hardened product in general waste or, for large quantities, via chemical waste disposal. For non-mixed components, retain in a marked, sealed container for future use or dispose of via special chemical waste collection programs. Dried empty containers can be recycled and should be disposed of via recycling facilities. If they cannot be recycled, dispose of contents to an approved waste disposal plant and containers to landfill.

Manufacturer's Comment

This product has been designed as part of a totally integrated application system. Use with any other manufacturer's product(s) or failing to follow application instructions may result in detrimental effects on product performance for which Henry Haymes Pty. Ltd. cannot be held responsible. Further information is available in the form of safety data and product information sheets from Haymes Paint (1800 033 431). We continually update materials and methods; please ensure you have the latest information.

Disclaimer

Due to the chemical composition of tyres, contact between tyres and this coating may result in tyre staining. It is important to understand the limitations of this coating product for resistance to tyre staining also known as "paw printing". Given the wide variation in tyre composition and age, Haymes Paint makes no warranties as to the performance of the coating and potential tyre staining and **will not be held liable** for any claims made where tyre staining occurs. You must read the specific product data sheet and fact sheet on tyre staining before commencing application of this product. These documents provide information about the suitability and application of the product for specific purposes. If you require more information or a product with resistance to tyre staining, then you must contact Haymes Service Express who can refer a technical representative for specific recommendations for your project before commencing any work.

The information provided is correct at the time of preparation; however, it is the responsibility of those using this information to check that it is current prior to specifying, recommending, or using product contained in this information. Because use conditions and applicable laws may differ from one location to another and may change with time; those using this information are responsible for determining whether products and the information in this document are appropriate for their use and for ensuring that workplace and disposal practices are in compliance with applicable laws and other government enactments. Haymes Paint assumes no obligation or liability for the information in this document. No express warranties are given except for any applicable written warranties specifically provided by Haymes Paint. All implied warranties including those of merchantability and fitness for a particular purpose are expressly excluded.

Henry Haymes Pty Ltd
A.B.N. 14 004 201 638
Waringa Drive
Wendouree Industrial Estate
Ballarat Vic 3350
Freecall 1800 033 431
Freefax 1800 801 892
www.haymespaint.com.au

Date of Preparation: 14/09/2020 Versioned: 04/11/2021