

ULTIMATE

Two-Pack Anti-Bac Water Based Epoxy Low Sheen **Hardener (Part B Only)**

(Mixes with Ultimate Satin Epoxy Part A to create a low sheen broadwall only finish.)

Product Code: **U2ELSHAB**

Product Description

Haymes Ultimate Two-Pack Anti-Bac water based Epoxy Low Sheen is a unique water-born coating with mould and bacteria resistance. The ultra-smooth durable finish has exceptional resistance to regular harsh clinical cleaning procedures. The low sheen finish is self-priming with superb film properties, adhesion, and surface hardness. A multi-purpose product with excellent chemical and high water resistance that's ideal for walls, doors and trim. The hardener **mixes with Ultimate Satin Epoxy Part A** to create a low sheen anti-bacterial system that can be tinted to a broad spectrum of broadwall colour for a range of different environments.



- Key features;**
- ✓ Resists mould and bacteria build up
 - ✓ Environmentally friendly low odour / VOC
 - ✓ Excellent chemical resistance
 - ✓ Durable for frequent clinical cleaning
 - ✓ Low Sheen subtle finish

Typical Applications

Broadwall surfaces, ceilings, trim work and doors. Primed interior plasterboard and timber, masonry and pre-painted surfaces including interior walls, feature walls, living and bedrooms, hallways, dining and laundry. Suitable for all interior areas including high traffic areas and areas subject to moisture including kitchens and bathrooms.

The hardwearing surface coating withstands the mandated rigours of regular clinical disinfectants and chemical cleaning in environments such as:

- Hospitals
- Veterinary Clinics
- Aged Care
- Food And Beverage Processing
- Surgeries
- Laboratories
- Schools

Typical Properties

Vehicle type	Epoxy
Hardener	Polyamide
Mixing ratio	1:1 (Pack A: Pack B) by volume. These products MUST BE POWER STIRRED. Power stir Part A, and Part B separately then together as A+B on high speed ensuring components blend thoroughly.
Pot life	Approximately 1 hour @ 25 °C
Finish	Low Sheen
Colour	White, Light Grey N35, UDT, EDT. Tintable to a wide range of colours.
Sizes	2L and 10L Hardener .(Part B)
Clean up	Water
Coverage	Up to 8-14m ² /L
Dry times	Touch Dry: 3 - 5 hours based on adequate airflow Recoat: 4 - 6 hours based on adequate airflow
Film build	Wet: 100 - 170um Dry: 40 - 60um
Application tools	Airless Spray (15 – 21 thou tip) at 1700-2100 psi, synthetic brush, 15mm micro-fibre roller sleeve.

Technical Data	
Fungal Resistance	Tested in accordance with AATCC 30 Antifungal Assessment and Mildew Resistance Test
Bacteria Resistance	Tested in accordance with ISO 22196:2011 - Measurement of antibacterial activity on plastics and other non-porous surfaces
Volume solids	37% by volume
VOC	26 g/L
Abrasion resistance	Excellent.
Chemical resistance	Alkali – Excellent; Acid – Fair to very good.
Bacterial resistance	Very Good
Dry Heat resistance	120 °C
Solvent resistance	Excellent
Salt spray resistance	Very good
Durability	Excellent. Interior wall/ door use only. The low sheen coating is not suitable for flooring
Surface Suitability.	Suitable for Vertical Surfaces only, See Below, Not Suitable for Flooring.

Dry times			
Temperature	Touch Dry	Recoat Minimum	Full Cure
25 °C	3 – 5 Hours	4 Hours	7 Days
10 °C	6 – 8 Hours	7 Hours	15 Days
			NOTE: Abrade if recoating after 7 Days

NOTE: The application of water-based epoxy at low temperatures can cause amine 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 amine bloom. Water-based coatings should be applied when the humidity is below 80%. At cooler temperature 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. Oil, grease, dirt, and other contaminants must be removed with detergent and water blasting or solvent cleaning to AS1627.1. All plasterboard or timber need to be primed with an appropriate acrylic undercoat.
Previously painted surfaces	<ol style="list-style-type: none"> A test patch is always recommended before use. Adhesion of the test patch should be checked prior to painting the entire surface. Previous coatings should be abraded prior to painting. Oil, grease, dirt, and other contaminants must be removed with detergent and water blasting or solvent cleaning to AS1627.1. All surfaces should be free from oil, grease, loose paint, and other contaminants.

Concrete	Allow new concrete surfaces to cure for a minimum of 28 days before painting. Surfaces to be painted should be free from all forms of oils, curing agents and other contaminants. The concrete surface must be suitably prepared to ensure the surface is etched and porous. It is recommended that the water droplet penetration test is carried out on all concrete surfaces to ensure there are no contaminants on the surface preventing penetration into the substrate. Then apply two coats of Ultimate Anti-Bac Low Sheen. Suitable for vertical concrete surfaces only. Not suitable for flooring.
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 water based acrylic plasterboard primer followed by two coats Ultimate Anti-Bac Low Sheen.
New Timber – Pre-primed	Sand surface and remove all dust from the surface by wiping it down with a damp cloth. Once dry apply two coats of Ultimate Anti-Bac Low Sheen.
New Timber – Raw	Sand the timber with a fine sandpaper only sanding in the direction of the grain. Wipe down the timber with a damp cloth to remove dust particles. Apply one coat of Haymes Ultracover undercoat followed by two coats of Ultimate Anti-Bac low sheen, for high tannin timbers consult your Haymes representative.
Metal Surfaces (Internal, Non-Corrosive Environments). Includes Aluminium, Zinalume, HDG, Mild and Stainless Steel	All surfaces to be coated must be clean, dry, and free from contamination. Oil or grease should be removed in accordance with AS1627.1 (SSPC SP1) solvent cleaning. Corroded areas must be treated by abrasive blasting to AS1627.4 Class 2.5 or by Power Tool Cleaning to SSPC-SP3. Following surface preparation apply a prime coat of A&I Envirophos 2300 Water Based Zinc Phosphate Primer followed by two coats of Anti-Bac Low Sheen.

Precautions

- Do NOT apply if the 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.
- Chalking will occur during full sunlight exposure without loss of film integrity. Can be over coated with Haymes Ultimate Polyurethane for UV resistance.
- **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.
- **Please check the colour for accuracy prior to application.** Haymes paint accepts no responsibility for the application of incorrect colours.
- **The Low Sheen Epoxy System is designed for broadwall surfaces and is NOT suitable for tiles or flooring.**

Application

- **Mixing:** Part A & B must be power stirred separately then together thoroughly for at least two minutes before thinning, without causing an excess of foam.
- Once units of paint have been mixed they should not be resealed and it is advised that after prolonged stoppages work recommences with freshly mixed units.
- Stir thoroughly before and during application.
- Apply two or three coats by brush, roller or spray to achieve sufficient film build.
- Ensure adequate airflow and ventilation during application and drying.
- Abrade if recoating after 7 days.

Thinning

Maybe thinned with up to 10% clean water to achieve acceptable atomization. Thinning to take place after parts A&B are mixed together and stirred again to mix in water. 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.

Safety and First Aid

WARNING – Hazardous material. 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 gloves, protective clothing and eye or face protection. 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. **IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. Causes skin irritation. 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. Causes eye irritation. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice.

For further safety information please refer to the product Safety Data Sheet available at;
<https://www.haymepaint.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, could 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 are continually updating materials and methods, so please ensure you have the latest information

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.haymepaint.com.au

Date of Preparation: Versioned 14/09/2020.