

ULTIMATE

2 Pack Epoxy Clear Gloss

Product Code: U2EGC

Product Description

Haymes Ultimate Epoxy Gloss is a two-pack water-based clear epoxy coating with excellent film properties and surface hardness. Ultimate Epoxy Gloss Clear is a self-priming and environmentally aware coating system which is ideal as a floor coating due to its excellent adhesion, chemical resistance, and tolerance to damp surfaces. Although designed to be used primarily on concrete floors this multi-functional coating system will protect and enhance tilt slabs, steel, slate, and many other substrates.



Key features

- ✓ Self-priming
- ✓ Low odour / VOC
- ✓ Superior food grade coating
- ✓ Excellent chemical resistance
- ✓ Easy to clean

Typical applications

Concrete floors, walls, masonry and slate:

- Flooring and seamless flooring
- Factories and warehouses.
- Hospitals and shopping centres
- Aircraft Hangers
- Polished floor sealing
- Exposed aggregate sealing
- Food and beverage industry
- Schools and laboratories

Typical properties

Vehicle Type	Epoxy emulsion
Hardener	Aliphatic Polyamine Adduct
Mixing ratio	1:1 by volume (Pack A: Pack B). POWER STIR
Pot life	Approximately 1 hour @ 25°C
Finish	Gloss
Colour	Clear
Sizes	4L, 20L
Clean Up	Water
Coverage	Up to 8m ² /L
Dry Time	Touch Dry: 6 hours Recoat: 6-8 hours
Film Build	Wet: 125um Dry: 55um
Application tools	Airless Spray (15 – 21 thou tip) at 1700-2100 psi, Synthetic brush, or Epoxy roller sleeve.

Technical data	
Volume Solids	46%
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 use only. Polyurethane topcoats are required for UV resistance.

Dry Times			
Temperature	Touch Dry (hours)	Hard Dry (hours)	Full Cure (days)
25°C	6 hours	24 hours	7 days
15°C	5-8 hours	32-40 hours	10 days
10°C	8-11 hours	48-60 hours	15 days

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.

Surface preparation	
General Surface Preparation	<ol style="list-style-type: none"> 1. All surfaces to be structurally sound and free of contamination, particularly salt deposits. 2. Loose or flaking paint must be removed by abrasive blast cleaning, power tool cleaning or sanding, to AS 1627. 3. Oil, grease, dirt, and other contaminants must be removed with detergent and water blasting or solvent cleaning to AS1627.1. 4. Primers should be abraded as necessary. Scrape all loose/flaking paint. Sand smooth & dust down. 5. All surfaces must be clean, bare, dry, and free of wax, grease and other contaminants.
Previously Painted Surfaces	<ol style="list-style-type: none"> 1. All surfaces should be free from oil, grease, loose paint, and other contaminants. 2. The existing coating must be thoroughly abraded. 3. Though Ultimate 2 pack Epoxy coating may give good adhesion, a test patch is always recommended before use.
Concrete	<ol style="list-style-type: none"> 1. Allow new concrete surfaces to cure for a minimum of 28 days before painting. 2. Surface to be painted should be free from oil, grease, and other contaminants. 3. Moisture content should be less than 5.5% 4. Grind the surface to remove laitance and provide key. To get uniform surface profile, use shot blasting, diamond grinding or acid etch.
Steel Structures	<ol style="list-style-type: none"> 1. Degrease the surface and remove all weld spatter and flux. 2. Grind sharp edges and corners. 3. For best results, abrasive blast clean to AS 1627-1 to 9. 4. Apply suitable primer according to specification. Steel in corrosive environments typically requires an anti-corrosive primer as a barrier coat.
Aluminium, Galvanised Iron & Zinalume ®	<ol style="list-style-type: none"> 1. Remove oil and excess grease with mild detergent or with sugar soap. 2. Slightly roughen the surface with the help of sanding or light whip blasting with a non-metallic abrasive. 3. Apply suitable primer according to specification.

Application

- **Mixing:** Part A & B must be power stirred together thoroughly 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 and it is advised that after prolonged stoppages work recommences with freshly mixed units.
- Stir thoroughly before and during application.
- Must be applied within one hour of mixing to avoid colour change in the final finish.
- Apply 2 or 3 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.
- 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 below 10°C or above 85% Relative Humidity.
- Chalking will occur during full sunlight exposure without loss of film integrity. Can be over coated with Haymes Ultimate Polyurethane topcoats for UV resistance.

Thinning

May be thinned with up to 10 - 30% clean water to achieve acceptable atomization. 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. Read label before use. Keep out of reach of children. 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. **IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. Call a POISON CENTRE or doctor if you feel unwell. 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. Causes serious eye irritation. **IF IN EYES:** Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice. Harmful if inhaled. May cause respiratory irritation. Avoid breathing fumes, mists, vapours, or spray. Use only outdoors or in a well-ventilated area.

For further safety information please refer to the product Safety Data Sheet available at;
www.haymepaint.com.au/products/product-information

Storage

Protect from extremes of temperature. Store between 5°C and 30°C.

Protect our environment

DO NOT pour any leftover product down the drain. Retain in a marked sealed container for future use or disposal via special chemical waste collection programs.

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.

Disclaimer

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.

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