

**CENTRECOAT**

## ULTRA WALLCOAT

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**MATERIAL SAFETY DATA SHEET**

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**TECHNICAL DATA SHEET**

# CENTRECOAT

## Technical Data Sheet

### Product Description

Centrecoat Ultra Wallcoat is an easy to clean water-dilutable bactericidal 2-component epoxy coating that dries to give a very hard, resilient semi-gloss appearance with excellent resistance to oils, solvents and many industrial chemicals. It contains leading edge technologies that impart bactericidal properties to the coating throughout its specified service life.

### Intended Uses

Centrecoat Ultra Wallcoat was formulated for the painting of walls and ceilings in areas where hygienic conditions are of prime importance and where excellent abrasion resistance is needed to help maintain a hygienic environment. It is suitable for use in hospitals (including operating theatres), schools, retirement homes, food factories, food preparation areas, restaurants, veterinary practices, abattoirs and many other facilities where a clean environment and public health is of concern. Please note that whilst the use of Centrecoat products gives an added layer of protection, regular cleaning remains an essential part of good hygiene practice.

### Technical Information

#### Efficacy

Independent laboratory testing carried out using standard protocols, such as JIS Z 2801, and ISO 22196 has demonstrated that a log 5/6 (99.99999 %) reduction in the viable cell count of hygiene-critical micro-organisms is typical.

### Physical Properties

Colours: White plus a range of colours via standard water-based mixing schemes.

Gloss Level: Sheen finish

Solids by volume nominally 50 %

Specific Gravity typically 1.45 g/cm<sup>3</sup> (when activated ready for use)

Wet film thickness: 140 microns, yielding a dry film thickness of 70 microns.

Spreading Rate: approx 7 m<sup>2</sup>/l

Drying times: Touch dry: 4 hours

Recoat: 24 hours

Full Cure: 7 days

NB. At temperatures below 10°C, this product can only be recoated after two days.

Mixing Ratio 4:1 by volume.

Pot life: 1½ hours.

VOC Content: nominally 0 g/l

Flashpoint: Not flammable

### Substrate Preparation

Centrecoat Ultra Wallcoat can be applied directly onto most mineral substrates (such as old concrete, tiles, glass, etc.) that are dry (moisture content below 6 %), clean and free from contaminants such as dirt, grease and chemicals. It must not be applied onto a flexible paint system or substrate.

New Walls/Uncoated Surfaces - For most surfaces two coats should be sufficient. The first coat can be thinned if necessary with up to 10% with clean water to act as a sealer. This should be followed after overnight drying by a second coat of Silverhouse Ultra Wallcoat, applied undiluted. Previously Painted Walls - Suitable pre-treatment is of the utmost importance. Old paint especially if flaky or of an unknown type should be completely removed. As some paints may still cause poor inter-coat adhesion when overcoated, it is always advisable to check for suitability by undertaking small-scale trials prior to painting.

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Clean all old paintwork and remove all loose and flaky paint, any oil or greasy residues, dust etc. Such substrates should then be lightly flatted to give a smooth surface with an adequate key before the application of a compatible finishing coat.

Do not apply when the air or surface temperature is below 8°C or in conditions of high humidity. Surface temperature must always be a minimum of 3°C above dew point. Painting should only be carried out under favourable atmospheric conditions and when condensation will not occur during the drying period.

Always provide a good air movement and ventilation, keeping windows and doors open until the paint is dry.

## Application methods

**NB. The two components must be mixed using mechanical agitation.**

Airless Spray: Tip size: 021 – 023 at a pressure of 220 bar

1st coat: Dilute with up to 10 % water

2nd coat: Apply undiluted to obtain optimum gloss level.

Brush: Possible.

Roller: Dilute 1st coat with up to 5 % water

Apply 2nd coat undiluted to obtain optimum gloss level.

Silverhouse Ultra Wallcoat is not suitable for application by conventional spray techniques.

Always use clean water for thinning purposes and to clean equipment.

## Shelf Life

At least 12 months from the date of delivery, when stored indoors in the original *unopened* packaging, at normal room temperature.

## Packaging

Supplied in two separate containers to make 5 litres of mixed product.

## Health & Safety

Familiarise yourself with MSDS: Ultra Wallcoat section before using this product.

If you need to obtain further details telephone us on: 01246 855318.

## Application Recommendations:

Min application temperature:	10°C
Max. relative humidity:	75%
Substrate Temperature:	>3°C above dew point
Thinning:	5% clean cold water
Brush Application:	Do not overspread. 4" brush maximum
Roller Application:	Medium/short pile Mohair type preferred
Airless spray application:	Pump 30:1 ratio Tip size 17 thou Tip pressure 3000 psi Fan angle 60°
Cleaning Solvent:	Clean towels water and detergent

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## Material Safety Data Sheet

### 1 - Identification of Preparation and Company

Preparation Name: Ultra Wall Coat – Base Component

**Company:** Promain UK Ltd, 1 Northend, Bury Mead Road, Hitchin, Hertfordshire, SG5 1RT

Telephone: +44 (0) 845 890 3434 Fax: +44 (0) 1462 421337

Email: [info@promain.co.uk](mailto:info@promain.co.uk)

### 2 - Hazards Identification

There are no ingredients of these products in concentrations likely to constitute a hazard to health when handled correctly. However contact with the skin may cause drying and slight irritation, also eye contact will cause irritation.

### 3 - Composition / Information on Ingredients

Chemical	CAS No.	Einecs No.	Concentration Range	Symbol	Risk Phrase(s)
Amine Resin Adduct Polymer	N/A	N/A	10 – 50%	X <sub>n</sub>	R22, R36, R41

### 4 - First Aid Measures

#### In the event of:

**Skin contact:** Wash skin with soap and water, or proprietary skin cleanser followed by an after wash barrier cream. Do not use solvents, thinners or white spirit.

**Eye contact:** Irrigate copiously with clean fresh water for minimum 10 minutes, holding eyelids apart, seek medical advice if irritation persists.

**Ingestion:** Rinse mouth and throat with water immediately. Do not induce vomiting. Dilute stomach contents with water or milk. May cause nausea, seek medical advice if discomforts arises or persists.

**Inhalation:** Remove to fresh air. Keep patient warm and at rest. If shortness of breath occurs seek medical advice.

### 5 - Fire-fighting Measures

**Extinguishing Media:** All standard fire-fighting media;

#### Special exposure hazards:

This is a waterborne product and does not support combustion in the uncured state. The product does contain combustible organic components, which eventually will yield smoke containing hazardous products of combustion on ignition.

### 6 - Accidental Release Measures

Contain and collect spillage with non-combustible materials (e.g. sand, earth, and vermiculite) and place in a clearly labelled container for disposal (see Section 13 'Disposal Consideration'). Clean preferably with a detergent, avoid the use of solvents.

### 7 - Handling and Storage

Apply "common-sense" measures in handling. Maintain good standards of personal hygiene. Food should not be prepared, stored or consumed in areas of product use. Always store products in their original containers and observe any label precautions. Containers, which have been opened should be properly resealed and kept upright to prevent leakage. Store in a cool, dry, well-ventilated place. Avoid temperatures below 5 deg. C. Keep out of reach of children.

Promain UK Ltd, 1 Northend, Bury Mead Road, Hitchin, Hertfordshire, SG5 1RT

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## 8 - Exposure Controls / Personal Protection

**Exposure controls:** Efficient ventilation is adequate in normal use situations

Exposure Values: Long Term Exposure Limits

Amine Resin Adduct Polymer None available

**Personal Protection:** All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected, issued and maintained to meet the requirements of the Control of Substances Hazardous to Health Regulations 2002 (COSHH). Wear gloves and protective clothing during installation.

## 9 - Physical and Chemical Properties

Physical state:	Pigmented viscous liquid
Flash point:	>100° C
Specific gravity:	1.05 - 1.50 @ 20° C
Solubility in water:	Miscible
pH:	6-9
Boiling point:	100° C
VOC Directive 2004/42/CE Class:	EU limit value for this product (A/j): 140g/l (2007) / 140g/l (2010) This product contains max 5g/l VOC. (Mixed, ready to use)

## 10 - Stability and Reactivity

Stable under recommended handling and storage conditions (see Section 7 'Handling and Storage')

## 11 - Toxicological Information

No data is available on the preparation itself. However from long-term experience of this product type, no serious acute chronic effects have been evident from handling under industrial conditions.

## 12 - Ecological Information

No data is available on the preparation itself. Do not allow to enter drains, sewers or water courses. Do not deposit where it can affect ground or surface waters. The product is miscible in water, and is thus likely to be transported considerable distances if allowed ingress to water. The polymer is poorly biodegradable, but is not susceptible to bio - accumulation. The biological oxygen demand of other components may be harmful to aquatic organisms.

## 13 - Disposal Considerations

Waste, including emptied containers, is controlled waste and should be disposed of in accordance with the general requirements of the Control of Pollution Act 1974 and the Environmental Protection Act 1990. For further information see 'Waste Management - The Duty of Care - A code of Practice' - HMSO

## 14 - Transport Information

No regulations apply for the transport of this material. Not classified as hazardous for road, rail, sea or air transport.

## 15 - Regulatory Information

### Harmful



X<sub>n</sub>

### Risk Phrases

R22: Harmful if swallowed

R36: Irritating to eyes

R41: Risk of serious damage to eyes

### Safety Phrases

S (2): Keep out of the reach of children

S25: Avoid contact with eyes

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S37/39: Wear suitable gloves and eye/face protection

The information contained in this data sheet does not constitute the user's own assessment of workplace risk as required by other safety legislation. The provisions of the Health and Safety at Work Act and the Control of Substances Hazardous to Health Regulations apply to use of these products at work.

## 16 - Other Information

The information contained on this safety data sheet is provided in good faith but without warranty, and should not be construed as guaranteeing specific performance properties. It is intended to describe the product from a user safety viewpoint. But this does not negate the user's responsibility to make his own assessment from the information supplied, and carry out workplace COSHH and Risk Assessments as required by UK safety legislation, and advise users accordingly. The user should regularly update himself, regarding the current safety legislation affecting this product. All chemical products can affect persons, especially those of an allergic disposition. The wearing of appropriate personal protective clothing and safety equipment is recommended as a precaution. Persons with known sensitivity should avoid contact altogether. Always ensure that the application is appropriate for the product and that installation is carried out strictly in accordance with the directions for use. Further advice on the recommended applications and limitations of this product may be obtained by contacting ourselves. The company reserves the right to periodically review and update the information presented.

*It is the customer's responsibility to thoroughly evaluate the efficacy and suitability for purpose of this product and to ensure that all applicable regulations are observed when transporting and using it and that all the necessary registrations and permissions have been obtained as appropriate to the application for the country or territory in which it is to be sold and/or used. This data sheet is not intended to imply any freedom from patent infringement. The above information is given in good faith on the basis of laboratory testing. Quoted figures are either theoretical values or typical of production batches. As we have no control over the coating employed, the conditions of application or the quality and standard of preparation of the substrate and the many other factors affecting the use and application of the product, the customer must determine the suitability of the delivered product for the intended application. Therefore we do not accept any liability whatsoever or howsoever arising for the performance of this product or for any loss or damage arising out of the use of the product, or its use in conjunction with other manufacturer's product(s). The information in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous improvement. For professional use only.*