



**EDWARD  
BULMER**  
NATURAL PAINT

# Water Based Eggshell Woodwork and Metalwork

A **Water Based Eggshell** paint with a satin finish which is suitable for use on both interior and exterior woodwork and metalwork, including radiators. This environmentally friendly, water-based, eggshell paint is solvent free, non-yellowing and water-thinnable. It is a quick drying paint made with plant oils, minerals and natural pigments and bound with a novel semi-natural binder (Decovery®). All ingredients are declared. **Water Based Eggshell** has a durable, satin finish (30% sheen) which will enhance and protect your surfaces. It is effectively VOC free with less than 1 gm/litre (0.08%) which makes it the lowest VOC eggshell paint on the market.

## Pack Size

1 litre and 2.5 litres.

## Colour range

Available in all 102 colours in the Edward Bulmer Natural Paint ranges.

## Characteristics

Satin finish (30% sheen).

Innovative, hard-wearing, water repellent, paint for use on interior and exterior woodwork and metalwork. It is suitable for radiators up to 70°C.

**Water Based Eggshell** is not suitable for floors.

This eggshell paint ensures excellent indoor air quality and the lowest VOC rated eggshell paint available at <1g/L.

Breathable with Sd value of <0.3.

## Surface Preparation - Wood

The surface must be dry, clean, solid and coatable.

Thoroughly sand existing coatings and clean off all dust.

Existing coatings that are non-recoatable or unstable should be completely removed by sanding or stripping.

Suitable wood fillers should be applied before application of any paint products.

## Priming

**PLEASE DO NOT PRIME WITH ACRYLIC PRIMERS.**

Natural paints do not always adhere to PVC primers so avoid if possible, this warning includes the use of Zinsser which contains hazardous chemicals. If the surface has already been primed it is important to ascertain what primer has been used and then advice can be given about suitability of top coat.

Bare wood does not necessarily need priming.

All resinous woods, high in active substances and prone to sapping (\*) should be primed with Edward Bulmer **Water Based Primer** to create a uniform, coatable surface.

All MDF and PLY MUST be primed with Edward Bulmer **Water Based Primer** or the paint will be absorbed.

Bleeding knots on bare woods should be pre treated with **Water Based Primer**. Apply 2 coats of primer over knots to prevent bleeding.

Bare wood may be primed, if desired, with a first coat diluted with 5% water. Before applying top coats, allow all primer to dry thoroughly, then sand lightly and remove any dust.

Previously painted wood should be sanded thoroughly and cleaned off before applying at least 2 top coats.

## Surface Preparation - Metal

For iron parts that are not factory primed, clean and sand thoroughly to remove corrosion. Prime with **Edward Bulmer Natural Rust-Protection Primer**. Allow to dry thoroughly. For ferrous metals pre-primed by the manufacturer and not exhibiting any corrosion, clean and sand thoroughly and apply a first coat diluted with 5% water.

Not appropriate for galvanized steel or nonferrous metals.

## Application – All surfaces

Stir well before use and check correct colour before application.

All surfaces should be clean and dry. The ambient temperature should be above 10°C and below 30°C at 50-60% rh.

Thoroughly stir and apply 2/3 coats evenly (and then lay off in the direction of the grain – for wood), using brush or fine-pored foam/short pile roller. Sand lightly to make sure surface is dry before recoating and remove dust between coats.

Also suitable for spraying: High pressure, mist reduced, airmix. Tested with Wagner SF23Plus and pistol Vector Grip. Nozzle type FineFinish TT3, nozzle size 410 gun filter red. Spray pressure 100 bar.

## External Painting

Do not expose unfinished coats to wet weather within 48 hours of application. Check each coat is dry by sanding lightly before applying next coat. Do not paint when day or night time temperature is less than 10°C or in driving rain or snow.

Check annually and repair any defects immediately. Clear flat surfaces from standing water.

## Eco Paint Tools

We recommend using eco brushes, trays, roller and other tools made sustainably in the UK by Eco Union which are available on our website [www.edwardbulmerpaint.co.uk](http://www.edwardbulmerpaint.co.uk)

## Drying (23 °C/ 50% rel. humidity)

Dust dry after approximately 2 hours, recoatable after approximately 6 hours. Fully cured after approximately 24 hours.



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## Physical/Technical Characteristics

Working conditions: Min 10°C, max 30°C. Max. RH 85%; optimal is 20-23°C at 50-65 RH

Density: 1.02 – 1.30 g/cm<sup>3</sup> depending on colour shade

Gloss level: 5 at 20°, 30 at 60°, 55 at 85° measured in white.

VOC content: ≤1 g/L (Cat A/dwb, max permissible 130g/L) which is 0.09%.

Perspiration and saliva-fast (DIN 53160 / EN 71 Part 3)

Safe for toys (DIN EN71 part 3)

Abrasion resistance: Class 1 (EN 13300).

Opacity/covering: Class 1 @ consumption of 0.08l/m<sup>2</sup> (12.5m<sup>2</sup>/L) (EN13300)

Breathability: Sd value <0/3 (in testing)

## Coverage

11-13 m<sup>2</sup> per litre on smooth surfaces at 70-90 µm wet layer. On rough or absorbent surfaces, more paint may be required.

## Cleaning

Remove paint residue from tools with waste paper or a cloth and stand tools in warm, soapy water and then rinse. Stubborn residues might need **Natural Paint Soap**.

## Storage

Store out of reach of children. Unopened containers of **Edward Bulmer Water Based Eggshell** should be stored in frost-free place at 18°C and will last at least 24 months.

## Composition

Consistently ecological choice of raw materials (see full declaration on website). This water based eggshell, with satin finish, is based on a Decovery® binder that combines pine and castor oil esters with some fossil fuel derived monomers. The paint is manufactured in a certified carbon neutral factory.

Ingredients: Water, Decovery®, mineral pigments, silicic acid, cellulose, surfactants made of rapeseed oil and castor oil, silicates, liquid ammonia, preservative: benzyisothiazolinone (<0.01%) and sodium pyrithione.

## Maintenance and follow-up treatment

Clean painted surfaces gently with mild soapy water only and without aggressive abrasives or abrasive sponges, do not use any caustic solutions. Weathered or damaged paint should be cleaned and lightly sanded and repainted with 1-2 coats of fresh paint. Where bare wood is exposed follow the guidelines set out above.

## Health and Safety

EC Safety Data Sheet available on request.

Observe the customary protective measures, e.g. ensure adequate skin protection and ventilation during application.

## Disposal

Please empty and recycle all tins. Dried residues may be disposed of as a household waste. Liquid residues are subject to waste code (EWC code): 080120 Designation: Paints, Lacquers

\*Such as but not limited to:

Ash, Bangkirai, Red Cedar, Oregon Pine, Hemlock, Larch, Meranti (Dark Red), Merbau, Niangon, Pitch Pine, Teak, Afzelia, Oak (also Cork), Framiré, Iroko, Chestnut, Cherry, Okume ("Gaboon"), Redwood, Cedar.

Please call our dedicated Customer Service team on 01544 388 535 with any queries or email us at [info@edwardbulmerpaint.co.uk](mailto:info@edwardbulmerpaint.co.uk)

NB: It is our objective to provide, through this technical information, advice based on our skills and practical experience. Any instructions given are non-binding and do not release the user from his or her liability to check for product suitability and application methods him/herself with regard to the surface used. Technical modifications may result from product development. Upon publication of a revised or new version, these instructions will automatically lose their validity. We mix all our paint colours and use batch codes to help us track our stock. Whilst every effort is made to ensure colour consistency between batches, different batches should be mixed together before use. It is the responsibility of the end user to test a small area with full preparation before embarking on the whole project. The details contained in the EU Safety Data Sheets in their current form dictate liability for classification in terms of the Hazardous Substances Regulations. The Terms and Conditions of Sale which this purchase bind you to are available on our website, or on request from Head Office, please read them before using our products. If we are not notified that they are unacceptable we shall take the use of our products as tacit agreement to them. Products remain the property of Natural Paints UK until fully paid for.

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