

FARROW & BALL®

CRAFTSMEN IN PAINT AND PAPER

PRODUCT ADVICE SHEET

Estate Emulsion

All Farrow & Ball paints are eco friendly with low or minimal VOC (Volatile Organic Compounds) content and are water based giving them a low odour and quick drying time which benefits both you and the environment.

Available Tin Sizes:

100ml	√	750ml	2.5L	√	5L	√	US Gallon
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In all Farrow & Ball colours. Available direct from Farrow & Ball (visit www.farrow-ball.com, email: sales@farrow-ball.com or call: +44 (0) 1202 876141), our Showrooms and selected stockists internationally.

Product Overview:

Our signature matt chalky finish, for interior walls and ceilings, offers an unmatched depth of colour. Wipeable but not washable.

Recommended Primer & Undercoats:

For use on interior walls & ceilings : Farrow & Ball Wall & Ceiling Primer & Undercoat

New or Unpainted Plaster (Modern Construction) Preparation:

If your plaster is new non powdery and sound you can simply apply a diluted coat of Farrow & Ball Wall & Ceiling Primer & Undercoat, in the correct colour tone for your top coat (see dilution details below) before applying two full coats of your chosen colour. If your plaster surface is powdery, flaky or unstable, apply one coat of Farrow & Ball Masonry & Plaster Stabilising Primer to bond the plaster and seal the surface, followed by one coat of Farrow & Ball Wall & Ceiling Primer & Undercoat. Please note: British Standard 6150:2006 recommends a typical drying time for new plaster of 7 days for every 5mm thickness.

Suggested maximum dilution rates:

Bare dry skim plaster/dry lined walls = up to 20% water. Bare dry plaster board = up to 15% water. Patch filled plaster = up to 20% water. NB: The dilution rate will depend on the porosity of the surface. We recommend you test the level of dilution on a patch to determine the level of dilution required. If you do not want to apply a primer and undercoat, as an alternative, you can dilute the top coat (of your chosen colour) with approximately 10% water and apply as a "mist" coat. Please note: When porous plasters are not sufficiently prepared, difficulties in application, variation in sheen or uneven colour may occur.

Previously Painted Walls Preparation:

If the wall you are intending to paint is of even porosity and you are not making a significant colour change, you can simply apply two coats of your chosen colour directly to the wall (allowing the correct drying time between coats). If the wall is uneven or highly porous then apply a diluted coat of your chosen colour (dilute with approximately 10% of water and apply as a 'mist' coat). Then simply apply two full (undiluted) coats in your chosen colour, allowing the correct drying time between coats. If you are making a significant colour change apply one coat of Farrow & Ball Wall & Ceiling Primer & Undercoat, in the correct colour tone for your top coat (and allowing a minimum of 4 hours drying time between coats). Then follow with two coats of your chosen colour to promote adhesion and full colour depth. If you are painting onto a glossy or oil based surfaces, sand the surface down, then clean thoroughly with a detergent. Apply one coat of Farrow & Ball Wall & Ceiling Primer & Undercoat, in the correct colour tone for your top coat (and allowing a minimum of 4 hours drying time between coats). Then follow with two coats of your chosen colour to promote adhesion and full colour depth.

Painting Lining Wallpaper:

For unpainted Lining Paper apply one coat of diluted Farrow & Ball Wall & Ceiling Primer & Undercoat (maximum 15% water), in the correct colour tone for your top coat (see dilution details below) before applying two full coats of your chosen colour. NB: The dilution rate will depend on the porosity of the surface. We recommend you test the level of dilution on a patch to determine the level of dilution required. If you do not want to apply a primer and undercoat, as an alternative, you can dilute the top coat with approximately 10% water and apply as a "mist" coat. Please note: When porous papers are not sufficiently prepared, difficulties in application, variation in sheen or uneven colour may occur.

Using Interior Caulks & Sealants

Where small gaps and cracks require filling or sealing, best results are achieved with an acrylic based decorators' caulk which is a water-based, flexible filler. Use the minimum of caulk necessary as a smaller bead will dry quicker and will be less prone to cracking. Follow the manufacturer's application instructions and drying times (typically 2 – 3 hours) before applying your chosen Farrow & Ball finish. Estate Eggshell, Full Gloss and Dead Flat – 2 coats may be applied directly (allowing a minimum of 4 hours drying time between coats). Estate Emulsion and Modern Emulsion – Apply an undiluted coat of Wall & Ceiling Primer & Undercoat in the correct colour tone for your top coat (allowing a minimum of 4 hours drying time between coats) followed by 2 coats of your chosen top coat (once again allowing a minimum of 4 hours drying time between coats).

Painting Over Interior Wall Fillers

For best results always use a filler which has the same porosity and density as the surface which is being repaired. Fillers which have a different porosity or density may lead to visible differences in colour or tone. Follow the filler manufacturer's application instructions and drying times then apply a diluted coat (20 – 25%) of Farrow & Ball Wall & Ceiling Primer & Undercoat in the correct colour tone for your top coat (and allowing a minimum of 4 hours drying time between coats). Then follow with two coats of your chosen colour to promote adhesion and full colour depth.

How to Apply Paint to Walls by Brush:

Stir thoroughly before use. Ensure all surfaces are sound, clean, dry and free from dirt, grease and other contamination. Please note that flaking or peeling may occur if you paint over weak paint layers – to avoid this sand back any previous weak paint layers before you start painting. Where required apply Farrow & Ball Wall & Ceiling Primer & Undercoat to improve paint adhesion and promote depth of colour. Using a fine-tipped synthetic bristled brush, apply the paint in a vertical direction then spread the paint out evenly in a horizontal direction. On application of the final coat lay off the paint in a single direction to ensure that any brush marks and brush patterning effects (sometimes visible in certain lighting conditions) are minimised.

How to Apply Paint to Walls by Roller:

Stir thoroughly before use. Roller application – Using a medium pile woven polyester roller, apply the paint in diagonal strokes to create either an 'M', 'W' or 'V' shape. Fill in and over the shape you have just painted to spread the paint evenly. Repeat this process, working in small sections. Always work from dry to wet areas, maintaining a wet edge to minimise roller marks. On application of the final coat lay off the paint in a single direction to ensure that any roller patterning effects (sometimes visible in certain lighting conditions) are minimised.

Spray Settings:

Airless Spraying – Good results can be achieved by the set up of 18 thou (457µm) 65° angle tip using a pressure of between 2000 – 2700 psi (138 – 186 bar). HVLP Spraying – Depending on the apparatus used, the paint may need to be diluted with water by up to 30%. Experiment with air control valve, material flow adjustment, fan size and spray pattern settings on a piece of cardboard or an inconspicuous area until a satisfactory finish is achieved. Apply several thin coats, allowing each coat to dry fully before applying the next one.

Advice for Repairing Damage and Touching In:

If your paintwork becomes damaged or marked you may need to repaint. To achieve the best results we recommend applying a single coat of paint over the entire wall or walls that have the damage, using the same batch of paint you originally carried the work out with. This best practice will avoid any noticeable variation in colour or finish. If you do choose to touch-in to repair damage, the following recommendations will help you achieve the optimum finish.

1. Always aim to use the same batch of paint. If you use a different batch, although we control colour to tight specifications, you may observe slight colour and sheen variations. If you are unable to use the same batch of paint we recommend that you apply a single coat of a different paint batch to an entire wall as any slight variations will be much less noticeable when observing from wall to wall.
2. Always use the same preparation techniques when you make any repairs as you used when you originally painted the wall. It may not always be possible to achieve a perfectly consistent finish – if for example you have used filler which has a different texture and absorbency to the rest of the wall, this may cause a slightly patchy finish.
3. Always use the same application tool and method as when you originally painted this wall. Ensure that the edges of the touched in paint are blended in “feathered” to make the transition between old and new paint areas less noticeable.
4. Over time the colour of the paint, whether on the wall or in the tin, may slightly alter. Therefore the newer the paintwork is, the better the finish you will achieve by touching-in.

Please note that when touching in the darker the colour and higher the sheen the more difficult it will be to achieve a uniform finish compared to lighter coloured, lower sheen paints.

Picture Framing:

As Estate Emulsion has a very matt finish, care should be taken when painting darker shades of colour. Always keep a wet edge while painting as losing the wet edge during application can lead to a common decorating problem known as “Flashing” (a halo effect where two edges of paint meet).

Other Product Applications:

If you wish to use Farrow & Ball products for any applications which are not featured here, please contact Customer Services for advice on +44 (0) 1202 876141 or email customer.services@farrow-ball.com. Please note that calls may be recorded for training purposes.

Application Information:

Do not paint in temperatures below 10°C or in excessive heat above 30°C.

Coverage Rate (m²/l per coat):	Drying Time:
Up to 14	Dry in 2 hours.
Typical Recoat Time:	Curing Time:
Recoat after 2 hours.	Please note that some darker paint colours will take up to 14 days to achieve full hardness, strength and durability.
Recommended Number of Coats:	Sheen Level:
2*	2%

*Darker/stronger colours may require additional coats. Please note: The drying and Recoat times provided are based on applying paint in normal conditions - drying times may be longer in cooler and/or higher humidity environments. Darker Colors may take longer to dry.

Density:	Wet Film Thickness:
1.2 - 1.4 g/cc	80 - 120 µm
Application Humidity:	Substrate Moisture Content:
< 80 % RH	Plaster Walls & Ceilings = < 0.5 %

Water Absorption according to DIN EN 1062-3 (w₂₄ [kg/m²√24h]):

1.41 (Class I, limit >0.5). This is the volume of water absorbed into a 1m² area through the paint surface within a 24 hour period. The lower the w₂₄ value, the more waterproof the paint film. Paint water absorption is class rated, from Class I to Class III. Class I in this instance denotes a low waterproof rating.

Water Vapour Permeability according to DIN EN ISO 7783-2 (sd [m]):

0.010 (Class I, limit <0.14). This is the resistance of the paint film to water vapour expressed as the equivalent thickness of air in metres. The lower the sd value the more breathable the paint film. Paint breathability is class rated, from Class I to Class III. Class I in this instance denotes the highest level of breathability. We are pleased to confirm that Farrow & Ball Estate Emulsion has the highest rating - Class I (High).

Colour Accuracy:

Check for colour accuracy prior to use as Farrow & Ball will not be liable for decorating costs caused as a result of an incorrect colour being applied. When more than one tin of the same colour is to be used ensure that batch numbers are identical or intermix before use. Stir thoroughly before use.

Water Contact:

To extend the service life of this finish, standing surface water should not be allowed to pool on horizontal surfaces.

Cleaning:

Estate Emulsion is wipeable but not washable. Wipe gently with a soft damp cloth or sponge. Please note that very matt finish of this paint will mean that some colours will become marked or scuffed when washed. For areas of high wear consider using Farrow & Ball Modern Emulsion.

Clean Up:

Remove as much product as possible from brushes or rollers. Clean brushes / rollers with warm soapy water.

Storage Advice:

This product is water based and must be protected from frost and extreme temperatures. Use within 6 months of purchase. We accept no responsibility for the deterioration of contents or packaging after this date.

Environmental & Disposal Advice:

Do not empty into drains or watercourses. Dispose of contents/container to waste disposal site in accordance with local/national regulations. Contact the local Environmental Department for disposal instructions. Metal containers may be recycled.

VOC Content Information:

EU limit value for this product (cat. A/[a]): 30g/l (2010). This product contains max 6g/l VOC.

Formulation:

A water based paint made using a vinyl acetate/ethylene copolymer binder.

Health & Safety Advice:

Keep out of reach of children. Ensure good ventilation during application and drying. Do not get in eyes, on skin, or on clothing. If medical advice is needed, have product container or label at hand. IF ON SKIN: Wash with plenty of soap and water. Do not use solvent thinners or White Spirit. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Call a doctor if you feel unwell. Safety data sheet available on request.

Lead Advice:

Special precautions should be taken during surface preparation of pre-1960s paint surfaces as they may contain harmful lead.

Contact Us:

For advice on colours, paint finishes or wallpaper our customer services team is on hand to help you, just call +44 (0) 1202 876141, email sales@farrow-ball.com, or write to us at Farrow & Ball, Uddens Estate, Wimborne, Dorset, BH21 7NL, UK. Please note that calls may be recorded for training purposes.

Disclaimer:

The information given in these specification sheets and technical advice - whether verbal, in writing or by way of trials - is for guidance and is given in good faith but without warranty, since skill of application and site conditions are beyond our control. For further information please contact our Customer Services Department. We can accept no liability for the performance of the products arising out of such use, beyond the value of the goods delivered by us. This does not affect your statutory rights.