

# FARROW & BALL®

CRAFTSMEN IN PAINT AND PAPER

## PRODUCT ADVICE SHEET

### Casein Distemper

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 except No. 273. Available direct from Farrow & Ball (visit [www.farrow-ball.com](http://www.farrow-ball.com), email: [sales@farrow-ball.com](mailto:sales@farrow-ball.com) or call: +44 (0) 1202 876141), our Showrooms and selected stockists internationally.

#### Product Overview:

A strengthened distemper with added casein. This traditional, breathable finish is suitable for interior plaster walls & ceilings. Not washable or wipeable.

#### Painting with Casein Distemper:

Casein Distemper requires no undercoat. Ensure all surfaces are sound, clean, dry and free from dirt, grease and other contamination. Flaking or peeling may occur if painting over weak paint layers. New surfaces – Newly lime plastered surfaces should be fully carbonated and cured for 4-5 weeks prior to application. Previously painted surfaces – can be applied directly to surfaces previously painted with Farrow & Ball Casein Distemper. It is not suitable for surfaces painted with other finishes, these need to be removed prior to painting. Plaster walls that have salt problems will stain and blister subsequent paint coatings, using Farrow & Ball Casein Distemper will allow the walls to breathe and enable the problem to be monitored. Avoid applying to areas with running condensation. Structurally damaged surfaces – any cracked or loose plaster must be repaired or filled with an appropriate plaster/filler. Farrow & Ball do not recommend the use of modern fillers on lime based substrates as they will trap moisture and are too hard, leading to cracking and uneven porosity when painting. Considerations: Due to the traditional nature of this distemper, touching in should be avoided. Due to the traditional nature of this finish, Farrow & Ball Casein Distemper will not accept subsequent layers of modern paints. Casein Distemper is made in the traditional manner using fine pigments and will inevitably have some small variations in colour. The porosity and moisture content of the surface it is applied to will affect the colour and can lead to changes in tone. For substrates of varying or high porosity, dilution with water may be required to provide good flow and minimise variations in colour and tone. Always stir Casein Distemper before adding water. Apply using a brush (or spray for fragile plasterwork or uneven surfaces such as brickwork). This product is unstable if applied too thickly.

#### 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. 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). 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:

We do not recommend applying Casein Distemper by roller to large areas such as walls and ceilings as a slight surface texture (stippling) may be visible.

### Spray Settings:

Airless Spraying – Good results can be achieved by the set up of either 15 thou (381µm) 65° angle tip or 18 thou (457µm) 65° angle tip using a pressure of 2700 psi (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 Casein Distemper has a 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](mailto: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.

<b>Coverage Rate (m<sup>2</sup>/l per coat):</b>	<b>Drying Time:</b>
Up to 13	Dry in 2 hours.
<b>Typical Recoat Time:</b>	<b>Sheen Level:</b>
Recoat after 4 hours	2%
<b>Recommended Number of Coats:</b>	<b>Wet Film Thickness:</b>
2*	80 - 120 µm

\*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.

<b>Density:</b>	<b>Application Humidity:</b>
1.2 - 1.4 g/cc	< 80 % RH
<b>Substrate Moisture Content:</b>	
Plaster Walls & Ceilings = < 0.5 %	

### Water Absorption according to DIN EN 1062-3 (w<sub>24</sub> [kg/m<sup>2</sup>√24h]):

1.41 (Class I, limit >0.5). This is the volume of water absorbed into a 1m<sup>2</sup> area through the paint surface within a 24 hour period. The lower the w<sub>24</sub> 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]):**

0.008 (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 Casein Distemper 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:**

Casein Distemper is not washable or wipeable. 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. Clean brushes 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 13g/l VOC.

**Formulation:**

A water based dispersion of pigments in a casein based 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.

**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](mailto: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.