

# FARROW & BALL®

CRAFTSMEN IN PAINT AND PAPER

## PRODUCT ADVICE SHEET

### SPRAYING FARROW & BALL FINISHES

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.

#### Recommended Equipment:

Airless, Air-Assisted Airless (AAA) or HVLP (High Volume Low Pressure) may be used to spray-apply Farrow & Ball finishes.

Air-Assisted Airless systems are generally used in spray shop environments where good air extraction is available.

Airless is the preferred equipment we would recommend using as this type of spray equipment gives less over-spray, and the air in the room is not filled with paint-laden mist.

An airless spraying system consists of a pumping unit, hose and a spray gun. No compressor is needed because the paint is pumped through the high-pressure hose and forced through a very small tip, which breaks up the paint into various spray patterns.

The amount of paint delivered is determined by the size of the tip used and this will vary depending on the finish being sprayed.

#### Airless Equipment Set Up:

The following set ups for Airless Spraying are provided as a guide only. The end result will vary from different spraying apparatus. Before undertaking your project you should carry out a test to optimise the set up of the equipment.

Finish	Tip Set Up	Pressure (psi)	Pressure (bar)
Estate Emulsion	18 thou (457µm) 65° angle tip	2000-2700	138-186
Modern Emulsion	18 thou (457µm) 65° angle tip	2000-2400	138-165
Estate Eggshell	18 thou (457µm) 65° angle tip	2400-2700	165-186
Full Gloss	15 thou (381µm) 65° angle tip or 18 thou (457µm) 65° angle tip	2300-2700	159-186

Modern Eggshell	18 thou (457µm) 65° angle tip	2500-2700	172-186
Dead Flat	15 thou (381µm) 65° angle tip or 18 thou (457µm) 65° angle tip	2700	186
Casein Distemper	15 thou (381µm) 65° angle tip or 18 thou (457µm) 65° angle tip	2700	186
Exterior Masonry	21 thou (533µm) 65° angle tip or 24 thou (610µm) 65° angle tip	3000-3500	207-241
Exterior Eggshell	18 thou (457µm) 65° angle tip	2300-2700	159-186

#### Thinning Advice:

The thinning ratio for Airless spraying equipment typically ranges from 0 – 10%, according to the equipment. Thin paint using water only.

#### Airless Application Advice:

When Airless spraying, start at a corner, work from the top down and keep your strokes steady and smooth as a lot of paint is going on to the surface in a short period of time. The wet paint film will typically be 100 - 150 microns per coat. Two coats at this thickness with the appropriate drying time between coats will ensure best performance and surface hardness.

Take care not to create 'columns' of paint – caused by overlapping paint layers.

#### HVLP Application Advice:

Farrow & Ball Finishes may also be applied by HVLP (High Volume Low Pressure) systems. 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 completely dry before applying the next one.

Take care not to create 'columns' of paint – caused by overlapping paint layers.

#### Drying/Recoat Time:

Ensure there is at least 4 hours drying time between each coat, as you would when applying by brush or roller. The total drying time will be dependent on thickness of the paint film and environmental conditions.

#### Application Information:

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

Avoid painting in direct sunlight.

Avoid applying outdoors if there is a likelihood of rain.

For best results apply early in the day, allowing the product time to dry before the evening (when condensation can occur).

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.

Ensure that the paint has completely hardened before closing newly painted windows and doors.

Allow a minimum of 14 days before applying over solvent based coatings.

#### Health & Safety Advice:

The pressure at the tip of the Air-less spray gun is normally in the 3000 psi (207 bar) range and can cause severe cuts and inject paint into your skin. Keep hands and fingers free of the tip while pressure is on the machine.

When spraying use an Organic Vapour / Particulate Filter Mask in a well ventilated area, preferably where air extraction is available.

Always use personal protective equipment – eye goggles with side protectors, gloves and overalls.

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.

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