

PRODUCT ADVICE

SPRAYING FARROW & BALL FINISHES



TRADE USE ONLY

Recommended equipment: Air-spray, Airless, Air Assisted Airless (AAA)

Both Air-spray and Air Assisted Airless are mostly used in a spray shop environment where good mechanical extraction is available.

Airless is the preferred equipment 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 spray rig 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.

The following set ups for spraying are provided as a guide only as the end result will vary from different spray rigs. You should ensure that you have tested and optimised the set up of the equipment before undertaking your project.

	Tip set up	Pressure	
Estate* Emulsion	18 thou 65° angle tip	2000–2700psi	138 – 186bar
Modern Emulsion	18 thou 65° angle tip	2000–2400psi	138 – 165bar
Estate* Eggshell	15 thou 65°, 17 thou 50° or 18 thou 65° angle tip	2400–2700psi	165 – 186bar
Full Gloss	15 thou 65° angle or 18 thou 65° angle tip	2300–2700psi	159 – 186bar
Floor Paint	15 thou 65° or 18 thou 65° angle tip	2300–2700psi	159 – 186bar
Dead Flat	15 thou 65° angle tip	2700psi	186bar
Casein Distemper	18 thou 65° angle tip	2700psi	186bar

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

When spraying, start at a corner, work from the top down, and keep your strokes steady and smooth; a lot of paint is going onto the surface in a short period of time. The paint film should be no more than 50 microns thick. Two thinner paint films with the appropriate drying time between coats will ensure best performance and surface hardness.

Take care not to create ‘columns’ of paint; this is a result of too much paint overlapping.

Drying time:

Ensure there is at least 4 hours drying time between each coat as you would when applying by brush. Drying times will be dependant on thickness of the paint film and environmental conditions.

Health & Safety Note :

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 mechanical extraction is available.

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

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