



The AVKO[®] essential guide to setting up a Spray Booth.

The advantages of spraying yourself can be beneficial, so we have included all the information you need to set up a spray booth in this helpful guide.

We estimate the minimum size of premises required would be 2000 square feet in an area designated for light industrial use. Having sourced suitable premises the following equipment is required: a paint booth, racking (inside and out), heating, spray guns, compressors, cleaners, etc.

Spray Booths

- The sort used in the car industry would be suitable. A low bake oven with appropriate extraction and heating facilities. Or, a dry back booth with heat coming from the workshop. 99% of our products do not need to be baked off.
- Length is the critical factor here, as it needs to be at least one metre longer than the longest material to be painted, e.g. 5 metre lengths of profile would need a 6 metre booth.
- Second hand paint booths of this size can be bought from around £4,000. A new booth would cost between £12,000 and £15,000. Industrial Exchange & Mart is a good source. There are lots of firms that can supply these and there are a lot you can source via Ebay. RDM Engineering 0845 5059333 or Dalby 0116 2916000 should be able to give you some ideas.
- There would be an additional cost for transporting and installing the booth, which varies depending on distance and complexity of installation, ease of access, etc.
- Appropriate heating would be required not only inside the booth but also outside in the workshop/drying area to keep the temperature between 15° and 20°C.
- A reasonable facility could be set up for around £12,000 and a very good facility for between £20,000 and £25,000. (Plus premises and staff)



Spray Guns

Gun Wash Machines

- We would recommend Safety Kleen – 0208 4909084. This would be for a gun cleaning system.

Spray Guns

AVKO would recommend that you use a quality product such as a Devilbiss Gravity fed gun. A wall mounting ensures the pistol will not get knocked over and damaged, or the paint spilled. An alternative is a mounting with a thinners bath, to stop the nozzle drying out. Clean dry air is a pre-requisite for successful spraying. Many companies have compressed air available which very often contains oil and moisture. Both of these substances need to be filtered out when the air is to be used for spraying. Three possible suggestions are as follows:



1) Devilbiss GTI Prolite Gravity Fed
(Available to purchase from AVKO)



2) Devilbiss Advanced HD Gravity Fed
(Available to purchase from AVKO)



3) Devilbiss Advanced HD Conventional Gravity Fed
(Available to purchase from AVKO)



4) Devilbiss SRI HD Gravity Fed
(Available to purchase from AVKO)

5) DGI PRO Digital Air Pressure Adjuster (Available to purchase from AVKO)

5) Analogue Air Pressure Adjuster (Available to purchase from AVKO)



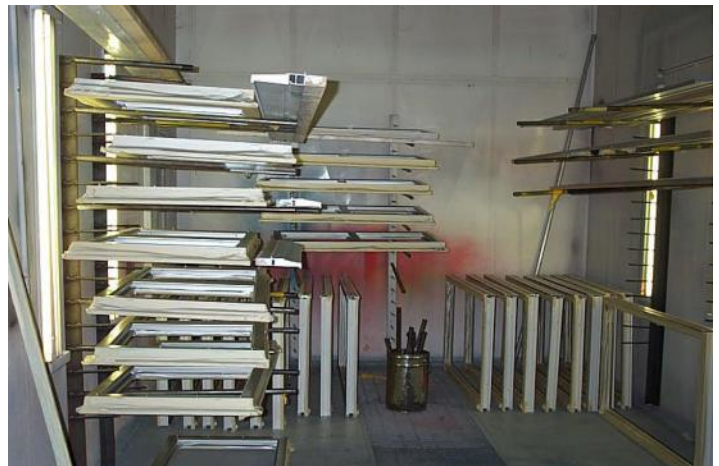
Suggested fluid tips would be between a 1.4 -1.8mm depending on the finish. We would recommend a 1.6-1.8mm fluid tip for sparkle application. You will need a separate gun for the sparkle application to avoid contamination from the sparkle flecks. We would also recommend a 1.6 -1.8mm fluid tip for metallic finishes.

Racking

This would be required within the booth and outside in the workshop for storage and curing after spraying.



Glass Splashbacks on racking



Profile on racking system in the booth

Masks

A high quality mask is necessary to protect the health of your sprayer, for both solvent and waterborne paints. These can be obtained from various suppliers in varying forms. We would recommend something like a Devilbiss Air Fed Visor. Available to purchase from AVKO.



Scales

Santint ES7000 scale 7000k (7kg) reading at 0.1 g.
Approximately £325 plus vat.



Biuged ES-15k scale 15kg reading at 0.1g.
Approximately £1187.10 plus vat.



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