



Reefer Trailers

Stoke on Trent

Specification & Quotation


For the Attention of: James

Date: 3rd August 2022

Re: Rowley **AERO-PMR** Paint Mixing Room Facility

Dear Pete

Following your enquiry, we have pleasure in submitting our proposals and quotation for the following:

 **Rowley *AERO-PMR*** Ventilated Paint Mixing Room –**Length 2.8m**; Width 2.35m Standard Height (2.4m); with double Skin white/white Steel Wall Panels

Conformities

The project will conform to:

- a) The Health & Safety at Work Act: 1974, and relevant mandatory supporting regulations.
- b) COSHH Regulations: 2002, with regard to Local Exhaust Ventilation and Air Circulation Machinery / Plant.
- c) The Environmental Protection Act 1990, including relevant Process & Technical Guidance Notes. (Excluding duct height)
- d) The Electricity at Work Regulations: 1989, with regard to hazardous environments.
- e) The Gas Safety (Installation and Use) Regulations: 1998.
- f) BS 7671: Requirements for Electrical Installations (IEE Regulations).
- g) HSG 258, 2011, Controlling airborne contaminants at work (LEV)
- h) We take guidance from BS EN 13355, Coating Plants – Combined Booths, Safety Requirements


E.P.A. - Solvent Emissions

The control of solvent emissions from this facility will be by the use of compliant paint materials and application equipment referred to in the guidance notes. In consideration of the likely maximum productivity of this facility and application of the BATNEEC criteria, there is no current economic technology for solvent gas arrestment from Spray booth plants of this type.

Technical Notes Regarding Spray Booth Plant

It should be noted that it is the responsibility of the client to notify and seek Planning, Environmental, Health and Safety and Fire Office approval for this installation and we are pleased to assist in this process.

1. Paint Mixing Room Specification:

 **Rowley AERO-PMR** Ventilated Paint Mixing Room – **Length 2.8m width 2.35m** Standard Height (2.4m); with double Skin white/white Steel Wall Panels

1.1 Layout and Operation:

The **Rowley AERO-PMR** unit is an enclosed, free-standing and mechanically ventilated unit for the storage and mixing of paints

Our paint mixing rooms provide a spacious cabin with room for mixing scheme, workbench and gun cleaner. The internal finish; filtered air intake and full-length door glass give a comfortable and clean working environment, the cabins meet all health and safety and building regulations for the storage and mixing of paints with a 30-minute fire resistance rating




Replacement air enters the room via replaceable filter panels to maintain a clean environment and exclude contaminating particulates.

Ventilation typically incorporates an extract fan to provide ventilation to the health and safety recommended 20 air changes per hour. The extract is at both bench level and floor level ensuring complete removal of fumes.

Each Paint Mixing Room is supplied with multi-cluster LED light fittings as standard

This unit would be located internally independently of the existing building.

1.2. Nominal Internal Dimensions:

 Length - 2.8m
 Width - 2.35m
 Height - 2.4m

1.3. Construction:

As standard, the main structure comprises of vertical double skin white steel wall panels; and fixed together on installation to give good rigidity.

The roof is manufactured in single skin galvanised steel

Vertical panels sit are screwed to the ground, the shell is then fixed to aid sealing and give the booth rigidity. The air inlet area and lights to be fully sealed after erection to prevent ingress of dirty air.

The Paint Mixing Room is a free-standing enclosure independent of other buildings.

1.4. Personnel Door:

One personnel emergency escape personnel door will be fitted as the site location dictates.

The door is be double skin, self-closing and fitted with a laminated glazing panel. The door is finished galvanised steel internally and externally; and incorporates an easily replaceable seal, giving good sealing and an attractive appearance.

1.5. Lighting:

As standard the lighting system will comprise multi-cluster LED'S to required standards, units fitted at corner roof level. Average illumination level to be 1200 lux. Maintenance access to the units is from inside the room.

1.6. Performance Data:

The Paint Mixing Room will have the following characteristics:

Air Change Rate: 20+ Per Hour

Noise Levels: Comfortable Working Cabin Levels of Between 50-55 dB
Fire Resistance Rating: 30 minutes.

1.7. Inlet and Filtration:

The ceiling is fitted with EU2 filters to ensure that a clean air atmosphere exists within the cabin

1.8. Extraction/Ventilation System:

The main extraction system will incorporate a powerful yet quiet forward curved centrifugal type fan unit for the extraction of paint fumes.

Effective cross flow ventilation is provided from floor and bench level; and connections for gun cleaners can be incorporated into the ventilation system if requested

1.9. Ducting Package:

The installed package comes complete with the extraction system and exhaust duct, including roof plates, weather skirts, and/or dektite.. Ducting would be to the DW144 standard and is in galvanised steel.

1.10. Control System:

A simple on/off switch to be supplied to control the PMR fan and light.

Installation and Commissioning:

Electrical wiring will be in plastic conduit and cable trays in accordance with IEE regulations, other wiring standards can be adopted at additional costs.

On completion of the project the site would be cleared of all packing materials etc. utilising the client's skip / refuse facilities

Exclusions:

We specifically exclude from our quotation the following (unless otherwise stated below): -

- Builder's work, forming level floor base, pit work, holes through roof/side wall for ductwork and weathering of same, and the provision of guy wire anchor points
- Electricity supply and connection to our control panel; 3-phase + neutral and earth (TN-S system) is required together with a suitable test certificate
- Fuel supply to input air heater and connection to burner together with a suitable test certificate.
- Any compressed air work, including over pressurisation shut off to spraying air, and pipework to any breathing air filter regulators
- Static Earthing within the spray booth
- A Fork Lift truck or similar lifting equipment for offloading purposes and positioning fan units, together with general access equipment
- Rowley Spray booths assume that safe access to the roof for ductwork installation would be via an aluminium scaffold tower or boom lift and that the roof is safe to walk on
- Hire of suitable powered access equipment such as, scissor lifts; cherry pickers and boom lifts are excluded
- If the site is controlled by a Principal Contractor we would exclude access equipment to the roof of the building for duct installation, and any additional safety equipment which is deemed necessary, by the Planning Supervisor, this would be quoted at additional cost
- Emergency lighting, however, if required it can be specified and quoted for as an optional item
- Delivery, installation, wiring and commissioning of ex. works packages

- We exclude the hire of any waste disposal services, bins or skips. Therefore; unless requested otherwise, during installation we will utilize waste skip and/or bins available on site

Prices:

Our price for supply, installation and commissioning of:

1. **Rowley AERO-PMR** Ventilated Paint Mixing Room – **Length 2.8m**; Width 2.35m Standard Height 2.4, with double Skin white/white Steel Wall Panels, would be:.....**£ 5,750.00**


Options:

To supply and fit a 1kw flame proof heater and stat.....**£ 1,080.00**

Connection of compressed air,
to consist of a twin quick release point and a regulated point.....**£ 400.00**

To connect electricity supply from nearby mcb board, to include 2off twin socket outlets
Fixed to the roof of the paint room to allow connection of internal equipment.....**£ 650.00**

Please Note:

 *All prices detailed in the quotation/prices sections above are subject to a full site survey.*

Terms and Conditions:

The above prices are nett excluding VAT, and our terms of payment are:

30% deposit with order, 65% of total value of order on commencement of erection of the equipment, and remaining 5% payable on commissioning, or within 7 days of completion of our work whichever is the sooner. Please note that our prices do not include for a main contractor discount.

If payment for the equipment is to be made through a finance company, the name and address of the finance company concerned is required, together with confirmation that they have agreed to finance the equipment.

A deposit of 20% should then be paid to Rowley Spray Booths Midlands Ltd so that we can commit resource and commence manufacture. The 80% balance will then be payable by the finance company.

The finance company's acceptance certificate should be signed upon delivery of the equipment, prior to commencement of the installation. The final payment covering the balance will then be forwarded by your finance company.

Prices quoted are valid for orders placed within 60 days provided delivery is made within 6 months of the date of this quotation. E & OE.

Please note that this quotation supersedes any previous quotation submitted.

Our standard terms and conditions apply and are enclosed with this quotation.

Should you require any further assistance please do not hesitate to contact the writer.

Assuring you of our best attention at all times.

Yours faithfully

George Rowley
Sales Director

Email: george@rowleyspraybooths.com
Mobile: 07792826277
Switchboard: 01543 450039
Web: www.rowleyspraybooths.com