

### SWP - 25 Paint Shop – Spray Booths and Preparation Areas

Before doing any type of work you must carry out an assessment of the task to be undertaken. This will include the equipment to be worked on, the task itself, Personal Protective Equipment (PPE) & Respiratory Protective Equipment (RPE) requirements – see SM- 23, the work area and environment, plus the tools and equipment required to carry out the job safely. Consult your team leader if you are not satisfied the job can be carried out in a safe manner.

#### General

The paint shop-spray booths and preparation areas require additional consideration and processes to reduce any associated risks, ensure work is carried out in compliance with legislation and best practice, and that all team members work in a safe and controlled environment.

Food consumption is prohibited in the paint shop, drinks are not allowed within the booths. Mobile phones must be kept in personal lockers.

All substances and paints used are to be assessed and a Control of Substances Hazardous to Health (COSHH) risk assessment completed. All users have the responsibility to use these products in accordance with the advice given within the Material Safety Data Sheet (MSDS), COSHH risk assessment and the training given by the company. All substances and paints must be sealed and stored in a suitable, bunded, closed fire resistant container. Stock levels to be kept to a minimum.

All waste generated must be collated, stored and disposed of in accordance to SM-31-Waste Generation, Storage and Disposal.

Sharing of RPE and PPE (where direct skin contact is possible) is not permitted under any circumstances.

All team members working in these areas are to undertake annual health assessments

#### Hazards

The main hazards in these areas can be divided into:

- a) **Vibration** – hand held power tools are used in the preparation of equipment – See SM-12
- b) **Dust** – preparation produces high levels of dust, which may contain unknown compounds – See SM-32
- c) **Vapour/Mist** - paints produce vapours and mists which may be toxic / Isocyanate in nature – See SM-29 and COSHH risk assessment  
Note: Isocyanate paint mist is invisible, and inhalation may cause occupational asthma
- d) **Noise** - hand held power tools and extraction systems produce high levels of noise – See SM- 55
- e) **Chemical Handling** – chemicals used may produce irritation and have long term health implication – See SM-29 and COSHH risk assessment
- f) **Vehicle Movements** – the manoeuvring of MHE produces a collision hazard
- g) **Fire** – flammable chemicals increase the risk of fire

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### Procedure

- 1.0 Paint which is applied by a roller may be conducted outside of a booth, ensuring the correct RPE/PPE is worn;
- Half-face mask respirator
  - Paper overalls
  - Gloves
- 1.1 Filters to be replaced as soon as there is any sign of discolouring
- 1.2 All team members who use a fitted face mask are required to have a face fit test, ensuring that the equipment selected is suitable for the wearer. This is to be completed every 6 months.
- 1.3 Team leaders are to be mindful of any changes in team members appearance, such as weight loss/gain and excessive facial hair which may affect the fitting and performance of fitted face mask. If required further testing to be implemented.



### Spray Booths

- 2.0 All spraying of paints must be conducted in an enclosed spray booth. Wherever possible the use of a spray gun is preferable and aerosols only used when necessary.
- 2.1 The mixing and 'rollering' of Isocyanate paint must also be conducted within an enclosed booth.
- 2.2 RPE/PPE must be worn at all times
- Air Fed Full-Face Respirator
  - Paper overalls
  - Gloves
  - Hearing Protection
- 2.3 All RPE must have daily pre-use checks and findings recorded on the relevant Q037 pre-op checklist.
- 2.4 Airlines must be filtered suitably for breathing, and the following checks made
- Daily; ensure the pressure is correct as per manufacturers guidelines, ie warning whistle operational ensuring sufficient air flow.
  - Annually; change the micron filter element or in line with any additional filtration's service schedule
- 2.5 Booths must have daily pre-use checks and findings recorded on the relevant Q037 pre op checklist.
- 2.6 A gauge must be present to ensure that the booth operates at a negative pressure (-5 to -10 pascals). If the gauge shows that the negative pressure parameters have not been achieved then the booth must not to be used.



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- 2.7 Spray booths are subject to clearance tests and the following information is to be displayed on the access door;
- The clearance times
  - Date the test was carried out
  - Who carried out the test
  - When the next test is due.
- 2.8 Walls are to be painted white and kept clean. Overspray should be avoided wherever possible. Where overspray has occurred, the walls must be repainted, using peelable paint.
- 2.9 Lights are to be fully functional, any lights not working are to be replaced / repaired.
- 2.10 Booth Filters are to be replaced regularly and in accordance with the specifications provided by the filter manufacturer. When replacing top filters refer to relevant risk assessment.
- 2.11 Heated booths are subject to an annual service of the heating system.

### **Preparation Area**

- 3.0 Care must be taken when conducting preparation work due to the high levels of noise, vibration and dust generated.
- 3.1 The area is to be subject to regular maintenance, including the replacement of filters and annual test / inspection of LEV
- 3.2 The door must be closed when in use
- 3.3 RPE/PPE must be worn at all times
- Battery Pack Full-Face Respirator
  - Paper overalls
  - Gloves
  - Hearing Protection
- 3.4 All RPE must have daily pre-use checks and findings recorded on the relevant Q037 pre-op checklist.
- 3.5 RPE maintenance & filter replacements to be carried out as per manufacturer's instructions.



### **Spray Gun Washer**

- 4.0 Strip down the Spray Gun. Place Spray Gun into the parts washer and close the door. Switch on the washer, it has a timer of one minute.
- 4.1 Remove the Spray Gun parts. Close the door. Proceed to clean the gun with a rag, reassemble and return Spray Gun to storage.

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### Records

- 5.0 All records of training are recorded on TMHUK's training database.
- 5.1 All face fit testing certificates (Q109) are to be retained for a minimum of 10 years.
- 5.2 All maintenance records are to be retained by the team leader for a minimum of 10 years.
- 5.3 All Q037 pre-op checklists are to be retained by the team leader for a minimum of 10 years.