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## **DIRECTORATE: CITY HEALTH – ENVIRONMENTAL HEALTH – SPECIALISED SERVICES**

### **SPRAY BOOTHS, SPRAY ROOMS AND SPRAY PAINTING ACTIVITIES**

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#### **MINIMUM REQUIREMENTS**

1. An enclosed spray booth or an extract canopy (in the case of a spray room) is to be provided wherein all spray painting should be conducted.
2. The spray booth (or canopy) is to be provided with an extraction system incorporating suitable, spray paint category specific filters or mechanism for the effective control of all overspray prior to discharge into the atmosphere.
3. Spray booths (or canopies) are to comply with all structural, ventilation, noise control and other relevant Requirements, stipulated in the National Building Regulations, Noise Control Regulations, Community Fire Safety Bylaw and the Occupational Health and Safety Act, and must be approved by the authorised person, for emissions, mechanical ventilation, noise and any other relevant Department as may be required by the Local Authority.
4. No spray painting is to be conducted outside of the spray booth, outside of a spray room, or area in the open air or in such a manner as to cause a nuisance.
5. The exit duct of the spray booths extraction system must discharge at least one meter above the highest intersection point with the roof of any building and terminate in a position where it will not cause a nuisance to occupants of surrounding premises.

#### **MINIMUM DESIGN SPECIFICATIONS FOR SPRAY BOOTHS AND SPRAY ROOMS**

Kindly ensure that compliance with the above is attended to when designing or constructing installations by indicating the following on the drawings, when submitting plans to the local authority for approval prior to the commencement of the work depicted on the relevant plans and drawings:

1. If the area of the room is greater than 20 sq. metres, two (2) outward opening non-lockable escape doors each fitted with a fire-proofed safety glazed vision panel (120 min. fire doors) are required at opposite ends of the room;
2. An air velocity of 0,5 metres per second of horizontal airflow, when measured at a height of 1,5 m above the floor level, is required (over the working area) however if the airflow is vertical then the air velocity shall be 0,3 metres per second;
3. The resultant noise levels of the installed equipment shall comply with the maximum Noise levels given in the Noise Control Regulations PN 627 of 1998.
4. Types and positions and dimensions of sound attenuators are required;
5. Full paint arrester Filter specifications, including make, type, size, number and arresance are required;
6. Drainage arrangements (routing and piping sizes - to nearest storm water gully) for vertical discharge ducts and / or cowls are required;
7. Structural details of supporting arrangements (for approval by the local authority) are required.
8. In addition a Flammable Store will be required to local authority approval, if the quantity of paint and solvents of 40 litres or more (with a flash point of less than 40 degrees Centigrade is to be stored. The type and quantity of paint and solvent must be specified – see 'MINIMUM REQUIREMENTS FOR FLAMMABLE STORES'.