

SCALE 57
SURFACE FINISHING FACILITIES

PART 1 - INTRODUCTORY NOTES

1 This scale is to be read in conjunction with Scales 1, 27, 40, 45 and 47.

2 When surface Finishing Facilities are proposed, advice from the appropriate specialist advisers should be sought. at an early stage. Surface Finishing Facilities themselves are normally provided as a containerised package by specialist suppliers, so this scale covers the provision of supporting facilities which form an integral part of the Surface Finishing Facilities.

3 Surface finish operations by their very nature are hazardous and in general toxic. Particular care is to be taken to protect personnel and the environment. The washing, changing and locker rooms set out in Part 3 are therefore to be provided at each facility.

4 Surface Finishing - including Paint Spraying - may comprise a "Prescribed Process" as defined in the "Environmental Protection (Prescribed Processes and Substances) Regulations 1991". Special consultations may result from this. The attention of designers is drawn to DETR Guidance Notes PG6/40 (04) - Coating and Re-coating of Aircraft and components, PG6/23(04) - Coating of Metal and Plastic, and PG6/34(04) - Respraying of road vehicles.

5 All facilities built under this scale are also to comply with standards e.g. DEF STANS, which govern the operations and type of equipment provided.

6 - 20 Spare.

PART 2 - SURFACE FINISH FACILITY

Accommodation	Area	M & E Services	Planning Notes, Special Fittings, etc.
(a)	(b)	(c)	(d)
21 Refinishing Bay (s)	.	<p>Electrical Power - Standard single phase 13A and 30A and three phase as required with positive earth monitoring system (PEMS)</p> <p>Ventilation - Supply air as required.</p> <p>Compressed air- for tools, spray guns, and breathing apparatus as required.</p> <p>Water supply - for drench shower with eye wash facilities for emergencies</p>	Size of bay(s) and requirements for M& E services as defined in col. (c) to be agreed at project brief stage.
22 Store for Flammable Surface Finish Materials	6m ² minimum	<p>Illumination - 100 lux Luminaires to Zone 2 classification.</p> <p>Temperature - As specified in the project brief.</p> <p>Ventilation - natural, using cross flow between high and low openings.</p>	Floor to be non-slip, easy clean, impervious to solvents, detergents, oils, and greases. Access only from open air, through steel or fire resistant door. 100mm sill to retain spillage. No windows.. Racking and shelving as

SURFACE FINISH FACILITIES (contd)

JSP 315

PART 2 - SURFACE FINISH FACILITY (contd)

(a)	(b)	(c)	(d)
22 contd			required. Siting in accordance with JSP 317
23 Paint Mixing Room	6m ² minimum	<p>Illumination - 500 lux luminaires to Zone 1 classification.</p> <p>Power supply - 240V 50Hz.</p> <p>Temperature - As specified in the project brief.</p> <p>Ventilation - Extraction required at rear of paint mixing bench, mixing area to be partly enclosed, Air flow through open face to be between 0.5m/s and 0.75m/s.</p> <p>Breathing air - A separate compressor is to be provided to supply the breathing air, which is to be supplied to BS4275 and EN139..</p>	<p>Paint mixing bench with hood extraction. (May be integral part of finishing bay.) 100mm sill to retain spillage. Of sufficient size to accommodate a Solvent Recovery unit, Paint Tumbler, Spraygun Cleaning Unit and 25ltr flamvault locker.</p> <p>Pipework and connectors for breathing air are to be clearly identified. Number of outlets to be agreed at project brief stage.</p>

24 - Spare.

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PART 3 - STAFF FACILITIES

(a)	(b)	(c)	(d)
25 Office			Refer to Scale 45
26 Crew Rest Room			Refer to Scale 47. Air-lock between crewroom and work area to prevent ingress of toxic or flammable vapours.
27 Changing/Locker Room		Ventilation - Extraction of air required from contaminated changing area only.	Refer to Scale 40. Air lock as for Serial 26. 2 lockers per person in separate locker rooms, one for contaminated and one for clean clothing.
28 Toilet Facilities			Refer to Scale 1 Annex B. Showers to be provided on basis of 1 for every 10 personnel on duty at any one time.
