

## Dust and cleanliness management process phases and contract limits

Revision 17/5/2019

	Frame phase	Interior works phase 1	Interior works phase 2		P1 Interior works phase	P1 Performance test phase	Delivery and commissioning	
Main works	Concrete works Element installation Roof works Main sewers Surface floor casting Exposure of surface aggregate of concrete	Partition masonry work, lightweight walls Dust binding, fire protections Building service technology feedthroughs Building service technology frame installations, to be coated (after dust binding) Levelling and priming works	Final painting Duct and cable installations Partition door and window installations Suspended ceiling frames and technology boards Fixed equipment installations Electrical equipment Floor coatings Mouldings	Dust-generating work phases shall be completed by blocks and areas as the works proceed.	Finishing painting, patchings Installation of master devices Installation of accessories and devices Suspended ceiling boards Cleaning of the space above suspended ceilings Electrical equipment, luminaires Removal of work-time installations Final cleaning 1	Finishing Adjusting and measuring Operational tests of devices Installation of maintenance hatches Standard cleaning procedures	No work to be performed Standard cleaning procedures Final cleaning 2 Testings and inspections	Loose equipment and functional accessories Installation and migration starts as regards the activities of the user Relocation of the equipment
Working methods	Casting work Grinding and chiselling Drilling and sawing	Casting work, plastering, initial straightening, grinding Masonry/boarding works Spray filling and spray painting Welding, cutting off grinding, drilling for fasteners	Installation works Plugging, nailing, screwing with local exhaust Drilling for fasteners with local exhaust Cutting of tubes with the cutter Painting works with spray and paint roller		Installation works Ready-made joints are used Fitting of the pieces outside the area Painting works with paint rollers, by spreading	Measuring works Vacuum-cleaning (filtering min. 98% of 3µm particles) Fitting of the pieces outside the area Painting works with paint rollers, by spreading		
Cleanliness level	Dust-generating work phases are allowed No loose waste  Pay attention to the neighbours and the environment	Dust-generating work phases are allowed, pay attention to local exhaust No loose waste, dust deposits shall be removed once a week	Dust is removed from the work place immediately. Dust-generating work phases are allowed with local exhaust Unnecessary goods shall not be stored in the premises. Less dust-generating work methods are used and the products giving off less dust are to be used.		Cleanliness readiness of performance test is achieved Build-up of dust on surfaces and levels is within the allowed limits: The space above suspended ceiling, surfaces above and below 180 cm (excl. floor surfaces): 5.0% Passage not allowed	No dust-generating work phases are allowed The cleanliness requirements set for the performance test shall be maintained Passage not allowed	Final systems are operational Premises are ventilated Final cleaning in progress The premises have been locked and limited access is allowed Build-up of dust on surfaces and levels is within the allowed limits: Surfaces higher and lower than 180 cm: 1.0% Floor surfaces: 3.0%	Standard cleaning procedures, final user  Packaging materials shall be removed outside the premises in a controlled manner
Final result					Final cleaning 1 completed by blocks Performance test readiness The premises shall be locked as needed after the final cleaning 1	The premises shall be locked after adjustment/measurement	Final cleaning 2 completed by blocks. Preliminary inspection and readiness for delivery	
Cleaning methods	Loose particles and waste shall be removed by sweeping and collecting Fine particles shall be removed using high power vacuum cleaner once a month Machine brushing is used after careful consideration in the open and ventilatable premises	Fine particles shall be removed by vacuuming once a week in the end of dust-generating work Loose particles and waste shall be removed by sweeping and collecting	Fine particles shall be removed (HEPA) by vacuuming once a week Levels are damp wiped Loose particles and waste are removed by collecting and sweeping		Fine particles shall be removed (HEPA) by vacuuming twice a week Levels are damp wiped Loose particles and waste are removed by collecting Final cleaning phase 1 works	Standard cleaning phase cleaning procedures	Final cleaning phase 2 works	
Cleaning by	Contractor / performer of the work cleans its waste	Contractor / performer of the work cleans its waste	Contractor / performer of the work cleans its waste  Cleanliness control service provider (to be agreed project-specifically)		Contractor / performer of the work: Dust-free work or dust-free work performed using local exhaust  Cleanliness control service provider: final cleaning phase 1 works	Contractor / performer of the work: Dust-free work or dust-free work performed using local exhaust  Cleanliness control service provider: supervision, maintenance	Contractor / performer of the work: no such work  Cleanliness control service provider: final cleaning phase 2 works	User
Supervision and documenting	Contract supervisors /supervisory staff Supervisors TR safety measurement	Contract supervisors / supervisory staff Supervisors TR safety measurement	Contract supervisors / supervisory staff Supervisors TR safety measurement  Cleanliness control service provider (to be agreed project-specifically)		Visual assessment. Inspection prior to P1 Performance test using the gel tape method (to be documented) (2018 indoor climate classification)	Visual assessment The achieved cleanliness level shall be maintained	Inspection prior to transfer of the cleanliness control responsibility: visually and using the gel tape method (to be documented) (2018 indoor climate classification)	

Dust-generating work phases

Dust-free work phases in the P1 premises

Responsibility limit of standard cleaning procedures