

CLEANSPACE FILTER SELECTION GUIDE | PAF

EN12942:1998+A2:2008

This table is a guide to assist filter selection based on your application and hazard¹. **IMPORTANT:** Users should refer to the Material Safety Data Sheet (MSDS) and establish the hazard concentration before selecting a filter.

INDUSTRY	APPLICATION	HAZARD	CLEANSACE FILTER TYPE / CODE		
Construction	Cutting, Grinding: Concrete, Cement, Stone, Brickwork	Crystalline Silica & Concrete, Stone, Plaster Dust		TM3P R SL	PAF-0035 PAF-0037 (High Capacity)
	Applying Insulation: Glass, Mineral Fibre	Particles and Fibres		TM3P R SL	PAF-0035 PAF-0037 (High Capacity)
	Spraying & Varnishing: Anti-fouling lacquers, Lacquers and Synthetic Lacquers, Water-Soluble and Solvent Based Paints, Bleaching Agents, Tar, Latex Paints, Paint Remover, Wood Preservatives	Particles and Vapours		TM3A1P R SL TM3A2P R SL	PAF-0050 (Class 1) PAF-0077 (Class 2)
Metal Work	Cutting, Grinding, Drilling: Metal (with ventilation)	Metallic or Rust Powder (Concentration Dependent)		TM3P R SL	PAF-0035 PAF-0037 (High Capacity)
	Soldering: Metal (without paste)	Smoke Particles		TM3P R SL	PAF-0035 PAF-0037 (High Capacity)
	Soldering: Metal (with paste)	Gases and Ammonia		TM3ABEK1P R SL	PAF-0052
	Welding MIG, TIG, STICK: Aluminium (with ventilation)	Aluminium Oxide, smoke, Ozone		TM3 P3	PAF-0035 PAF-0037 (High Capacity)
	Welding MIG, TIG, STICK: Aluminium (with limited ventilation)	Aluminium Oxide, Smoke, Ozone		TM3ABE1P R SL	PAF-0051
	Welding MIG, TIG, STICK: Galvanised & Stainless Steel	Metallic Powder, Metal Oxide Smoke		TM3ABE1P R SL	PAF-0051
	Welding MIG, TIG, STICK: Steel	Metallic Powder, Metal Oxide Smoke		TM3P R SL	PAF-0035 PAF-0037 (High Capacity)
Paint Work	Grinding: Paint, lacquers and anti-corrosion paint (including chromium)	Fine Paint Particles		TM3P R SL	PAF-0035 PAF-0037 (High Capacity)
	Spraying & varnishing: Anti-fouling lacquers, lacquers and synthetic lacquers, water-soluble and solvent based paints, bleaching agents, tar, latex paints, paint remover and wood preservatives	Particles & Vapours		TM3A1P R SL TM3A2P R SL	PAF-0050 (Class 1) PAF-0077 (Class 2)
	Spraying and Painting: Anti-moulds	Organic Vapour & Mist		TM3A1P R SL TM3A2P R SL	PAF-0050 (Class 1) PAF-0077 (Class 2)
	Spraying & varnishing: isocyanates	Solvent Vapour and Paint Particles (Concentration Dependent)	-----SUPPLIED AIR-----		
	Powder coating	Fine Paint Particles		TM3P R SL	PAF-0035 PAF-0037 (High Capacity)
Wood Work	Sanding & scraping removal: Paint, polyester resin, lacquers & adhesive (including chromium based)	Fine Paint Particles		TM3P R SL	PAF-0035 PAF-0037 (High Capacity)
	Solvent removal: Paint, resin, adhesive	Solvent Vapour		TM3A1P R SL TM3A2P R SL	PAF-0050 (Class 1) PAF-0077 (Class 2)
	Flame cleaning: Paint and adhesives	Gases, Vapours, Smoke, Fine Particles		TM3ABE1P R SL	PAF-0051
	Cutting, Planting, Drilling: Wood (including Beach Wood & Oak)	Wood Dust Particles		TM3P R SL	PAF-0035 PAF-0037 (High Capacity)
	Gluing: Solvent based substances (including Polyester or Epoxy Resin Spray)	Adhesive Mists and Solvent Vapours (Concentration Dependent)		TM3A1P R SL TM3A2P R SL	PAF-0050 (Class 1) PAF-0077 (Class 2)
Fibreglass	Preparing & applying: Epoxy and polyester resin, amine and anhydride hardener, Glass fibre, dust resin and styrene vapour	Methyl Ethyl Ketone Peroxide (MEKP), Styrene Vapour		TM3A1P R SL TM3A2P R SL	PAF-0050 (Class 1) PAF-0077 (Class 2)
	Preparing and spraying fiberglass moulds	Organic Vapour, Mist, Dust		TM3A1P R SL TM3A2P R SL	PAF-0050 (Class 1) PAF-0077 (Class 2)
Maintenance & Cleaning	Disinfection & cleaning: Agents containing Acids	Acids		TM3ABE1P R SL	PAF-0051
	Disinfection & cleaning: Agents containing Aldehydes	Organic Vapour, Inorganic Vapour, Formaldehyde, Mist, Dust		TM3ABE1P R SL	PAF-0051
	Disinfection & cleaning: Moulds	Organic Vapour and Mist		TM3A1P R SL TM3A2P R SL	PAF-0050 (Class 1) PAF-0077 (Class 2)
Healthcare & Laboratories	Collection & Handling: Biological material	Particles or Mist		TM3P R SL	PAF-0035 PAF-0037 (High Capacity)
	Disinfection & Cleaning: Agents Acids, Aldehydes or specimen preservation	Organic Vapour, Inorganic Vapour, Specimen Preservation, Mist, Duct or Acids		TM3ABE1P R SL	PAF-0051
Agriculture	Cleaning: Animal pens & feed systems (silos)	Dust Particles		TM3P R SL	PAF-0035 PAF-0037 (High Capacity)
	Handling & Spraying: Pesticide, Fungicides, Herbicides or Organic Vapours	Vapour, Mist and Dust		TM3ABEK1P R SL	PAF-0052
	Handling: Liquid Manure and Agrichemicals	Organic gas and vapours produced by solvents with a boiling point ≤65°C		TM3ABEK1P R SL	PAF-0052
Handling & Transport	Sulphur Dioxide	Sulphur Dioxide		TM3ABE1P R SL	PAF-0051
	Hydrochloric Acid	Hydrochloric Acid		TM3ABE1P R SL	PAF-0051
	Liquid Manure	Liquid Manure		TM3ABEK1P R SL	PAF-0052
	Ammonia	Ammonia		TM3ABEK1P R SL	PAF-0052
	Bacteria and Spores	Bacteria and Spores		TM3P R SL	PAF-0035 PAF-0037 (High Capacity)
	Formaldehyde	Formaldehyde		TM2AXP NR SL	PAF-0087
	HAZARDOUS GOODS: Storage/Transport	HAZARDOUS GOODS: Storage/Transport		TM3ABEK1P R SL	PAF-0052
	Fumigation – AX	Methyl Bromide		TM2AXP NR SL	PAF-0087
	Construction materials	Formaldehyde		TM2AXP NR SL	PAF-0087

1) CleanSpace Technology accepts no liability for incorrect choice of respiratory protective equipment. This chart is only an outline. It is designed to assist in the selection of the most appropriate filter for particular applications. It should not be used as the only means of selecting respirator/filter combination. This guide does not release the user from the obligation to comply with national application regulations and laws and is not a substitute for adhering to and understanding the product instruction manuals. For selection of the correct respiratory protection equipment for your application, consult a safety specialist. **IMPORTANT NOTE:** Filtering respiratory protection devices should not be used in poorly ventilated areas or confined spaces, such as tanks, small rooms, tunnels or vessels. CleanSpace respirators should not be used in oxygen deficient or oxygen enriched atmospheres or flammable or explosive environments.



This table is a guide to assist filter selection based on your application and hazard¹. **IMPORTANT:** Users should refer to the Material Safety Data Sheet (MSDS) and establish the hazard concentration before selecting a filter.

INDUSTRY	APPLICATION	HAZARD	CLEANSPACE FILTER TYPE / CODE		
Construction	Cutting, Grinding: Concrete, Cement, Stone, Brickwork	Crystalline Silica & Concrete, Stone, Plaster Dust		TM3P R SL	CST1005 CST1004 (High Capacity)
	Applying Insulation: Glass, Mineral Fibre	Particles and Fibres		TM3P R SL	CST1005 CST1004 (High Capacity)
	Spraying & Varnishing: Anti-fouling lacquers, Lacquers and Synthetic Lacquers, Water-Soluble and Solvent Based Paints, Bleaching Agents, Tar, Latex Paints, Paint Remover, Wood Preservatives	Particles and Vapours		TM3A1P R SL TM3A2P R SL	CST1028 (Class 1) CST1008 (Class 2)
Metal Work	Cutting, Grinding, Drilling: Metal (with ventilation)	Metallic or Rust Powder (Concentration Dependent)		TM3P R SL	CST1005 CST1004 (High Capacity)
	Soldering: Metal (without paste)	Smoke Particles		TM3P R SL	CST1005 CST1004 (High Capacity)
	Soldering: Metal (with paste)	Gases and Ammonia		TM3ABEK1P R SL	CST1006
	Welding MIG, TIG, STICK: Aluminium (with ventilation)	Aluminium Oxide, smoke, Ozone		TM3P R SL	CST1005 CST1004 (High Capacity)
	Welding MIG, TIG, STICK: Aluminium (with limited ventilation)	Aluminium Oxide, Smoke, Ozone		TM3ABE1P R SL	CST1027
	Welding MIG, TIG, STICK: Galvanised & Stainless Steel	Metallic Powder, Metal Oxide Smoke		TM3ABE1P R SL	CST1027
	Welding MIG, TIG, STICK: Steel	Metallic Powder, Metal Oxide Smoke		TM3P R SL	CST1005 CST1004 (High Capacity)
Paint Work	Grinding: Paint, lacquers and anti-corrosion paint (including chromium)	Fine Paint Particles		TM3P R SL	CST1005 CST1004 (High Capacity)
	Spraying & varnishing: Anti-fouling lacquers, lacquers and synthetic lacquers, water-soluble and solvent based paints, bleaching agents, tar, latex paints, paint remover and wood preservatives	Particles & Vapours		TM3A1P R SL TM3A2P R SL	CST1028 (Class 1) CST1008 (Class 2)
	Spraying and Painting: Anti-moulds	Organic Vapour & Mist		TM3A1P R SL TM3A2P R SL	CST1028 (Class 1) CST1008 (Class 2)
	Spraying & varnishing: isocyanates	Solvent Vapour and Paint Particles (Concentration Dependent)	-----SUPPLIED AIR-----		
	Powder coating	Fine Paint Particles		TM3P R SL	CST1005 CST1004 (High Capacity)
	Sanding & scraping removal: Paint, polyester resin, lacquers & adhesive (including chromium based)	Fine Paint Particles		TM3P R SL	CST1005 CST1004 (High Capacity)
Wood Work	Solvent removal: Paint, resin, adhesive	Solvent Vapour		TM3A1P R SL TM3A2P R SL	CST1028 (Class 1) CST1008 (Class 2)
	Flame cleaning: Paint and adhesives	Gases, Vapours, Smoke, Fine Particles		TM3ABE1P R SL	CST1027
	Cutting, Planting, Drilling: Wood (including Beach Wood & Oak)	Wood Dust Particles		TM3P R SL	CST1005 CST1004 (High Capacity)
	Gluing: Solvent based substances (including Polyester or Epoxy Resin Spray)	Adhesive Mists and Solvent Vapours (Concentration Dependent)		TM3A1P R SL TM3A2P R SL	CST1028 (Class 1) CST1008 (Class 2)
	Preparing & applying: Epoxy and polyester resin, amine and anhydride hardener, Glass fibre, dust resin and styrene vapour	Methyl Ethyl Ketone Peroxide (MEKP), Styrene Vapour		TM3A1P R SL TM3A2P R SL	CST1028 (Class 1) CST1008 (Class 2)
	Preparing and spraying fiberglass moulds	Organic Vapour, Mist, Dust		TM3A1P R SL TM3A2P R SL	CST1028 (Class 1) CST1008 (Class 2)
Maintenance & Cleaning	Disinfection & cleaning: Agents containing Acids	Acids		TM3ABE1P R SL	CST1027
	Disinfection & cleaning: Agents containing Aldehydes	Organic Vapour, Inorganic Vapour, Formaldehyde, Mist, Dust		TM3ABE1P R SL	CST1027
	Disinfection & cleaning: Moulds	Organic Vapour and Mist		TM3A1P R SL TM3A2P R SL	CST1028 (Class 1) CST1008 (Class 2)
Healthcare & Laboratories	Collection & Handling: Biological material	Particles or Mist		TM3P R SL	CST1005 CST1004 (High Capacity)
	Disinfection & Cleaning: Agents Acids, Aldehydes or specimen preservation	Organic Vapour, Inorganic Vapour, Specimen Preservation, Mist, Duct or Acids		TM3ABE1P R SL	CST1027
Agriculture	Cleaning: Animal pens & feed systems (silos)	Dust Particles		TM3P R SL	CST1005 CST1004 (High Capacity)
	Handling & Spraying: Pesticide, Fungicides, Herbicides or Organic Vapours	Vapour, Mist and Dust		TM3ABEK1P R SL	CST1006
	Handling: Liquid Manure and Agrichemicals	Organic gas and vapours produced by solvents with a boiling point ≤65°C		TM3ABEK1P R SL	CST1006
Handling & Transport	Sulphur Dioxide	Sulphur Dioxide		TM3ABE1P R SL	CST1027
	Hydrochloric Acid	Hydrochloric Acid		TM3ABE1P R SL	CST1027
	Liquid Manure	Liquid Manure		TM3ABEK1P R SL	CST1006
	Ammonia	Ammonia		TM3ABEK1P R SL	CST1006
	Bacteria and Spores	Bacteria and Spores		TM3P R SL	CST1005 CST1004 (High Capacity)
	HAZARDOUS GOODS: Storage/Transport	HAZARDOUS GOODS: Storage/Transport		TM3ABEK1P R SL	CST1006

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