

# Applications of respirators —

## Disposable maintenance-free respirators and half mask respirators with a filter

Area of application	Protection class FFP1	Protection class FFP2	Protection class FFP3	Half mask respirator with filter
<b>Grinding, cutting or drilling: surgical mask</b>				
Cement	x	x		
Spackling paste/fillers	x	x		
Masonry/concrete	x	x		
Wood		x	x	
Paints/varnishes	x	x		
Anti-corrosive paint		x	x	
Anti-fouling paints			x	
Stone, quartz below the WEL	x	x		
Stone, quartz above the WEL		x		
Iron	x	x		
High-alloy steel			x	
Cobalt/beryllium		x	x	
Sorting waste/composting			x	
Coolant mist		x		
<b>Welding:</b>				
Unalloyed materials (structural steel/zinc)		x	x	
High-alloy materials (stainless steel)			x	
General soldering		x		
<b>Working with:</b>				
Asbestos (in small amounts)		x	x	
Asbestos with over 150,000 fibres per m <sup>3</sup>			x	
Processing glass/mineral fibres		x	x	
<b>Cleaning:</b>				
White spirit/nitro thinner		x		
<b>Spraying:</b>				
Synthetic resin paints		x		A2P3 filter
Isocyanates — containing solvents		x	x	A2P3 filter
Emulsion paint		x	x	
Plant protection products				A2P2 filter
– aqueous solution		x	x	
– organic/evaporating		x	x	
<b>Painting/varnishing using:</b>				
Solvent-based paints		x		A2P3 filter
Water-miscible paints (containing solvents)		x		A2P3 filter
<b>Removing paint:</b>				
Organic solvents				AX filter
Containing ammonia				ABEK/K filter
Bonding: containing solvents				A1 filter
Dangerous materials/storage/transport				ABEK P3
<b>Handling:</b>				
– Sulphur dioxide				ABE filter
– Hydrogen chloride (hydrochloric acid)				ABEK/K filter
– Mould/fungi/household dust		x		
– Bacteria		x		
– Diesel soot/smoke			x	
– Slurry				ABEK/K filter

The specified filter and protection classes are recommendations. Breathing protection should be selected based on the harmful substances present and the concentrations of these substances (WEL). Before using a respiratory device, check carefully whether the respirator mask in question satisfies the requirements for the relevant harmful substance and the concentration of this substance. Observe the directions given in the instruction manual for each respirator mask.