



# Woodworking Respiratory Protection Selection Guide

To help you select the correct 3M™ Respirator, please use the table below which has been designed to highlight a selection of the hazards you may encounter and the suggested 3M respirator.\*

3M Respirators		9913 / 9914	8822 / 9320 / 9322	8835	4251 / 4255	4277	6000 Series**	7000 Series**	Airfit™ Respirator	Airstream™ Respirator AH1, 4, 4A	Airstream™ Respirator AH9, 11, 18, 20	Dustmaster™ Respirator DM4, DM110	Dustmaster™ Respirator DM6, 9, 11, 16, 167	Breathe Easy™ Plus Respirator BE110, BE4**	Breathe Easy™ Plus Respirator BE9, 11, 16, 167**	Visionair™ Airfed Respirator 500/510	3M™ Flowstream™ regulator + 3M™ QRS headtop #	3M™ Vortex cooler or Vortemp™ heater + 3M™ QRS headtop #	S-200 Airfed Respirator fitted to a 3M mask	CABA Δ
Application	Hazard																			
<b>Hardwoods, Softwoods &amp; MDF</b>																				
Sanding	Fine particles																			
Cutting	Fine particles																			
Routing	Fine particles																			
Manufacturing particle board such as chipboard and MDF	Fine particles & formaldehyde vapour																			
<b>Surface Coatings Paints, varnishes, stains, thinners</b>																				
Water based – brush/roller	Paint mist																			
Water based – spraying	Paint mist																			
Solvent based – brush/roller/ spraying	Solvent vapour & mist																			
Polyurethane paints/varnishes – spray ('two pack' isocyanate based)	Solvent/isocyanates mist																			
<b>Paint Removal</b>																				
Burn stripping	Fine particles & gases																			
Impact stripping	Fine particles																			
Abrasive stripping	Fine particles																			
Chemical stripping – Dichloromethane	Solvent vapour																			
<b>Adhesives</b>																				
Strong epoxy-resin system adhesive	Vapour																			
<b>Timber treatment</b>																				
Solvent based, e.g. White spirit	Solvent vapour & mist																			
Water based, e.g. containing Copper, Chrome, Arsenic	Fine mist																			

\* This guide is only an outline. It is designed to help focus on the most appropriate respirators in the 3M range for particular applications. It should not be used as the only means of selecting a respirator. Details regarding performance and limitations are set out on the respirator packaging and fact sheets.

\*\* A range of filters is available for these respirators. Please contact 3M for advice on appropriate selection.

Δ CABA = Compressed Air (includes positive pressure airline and SCBA)

# QRS = Quick Release Swivel