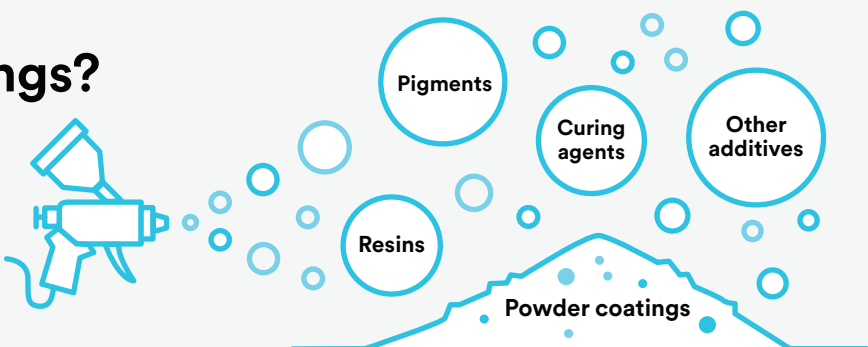


Know your hazard: Powder Coatings

What are powder coatings?

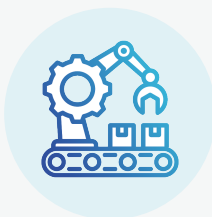
Powder coats are mixtures of pigments, resins, curing agents and other additives.

The powders are sprayed with a gun, which imparts a charge upon the particles.



What are the sources of exposure to powder coating?

Workers can be exposed to toxins in powder coatings during:



Manufacturing of powder coatings



Manual spray applications



Handling and dispensing powders



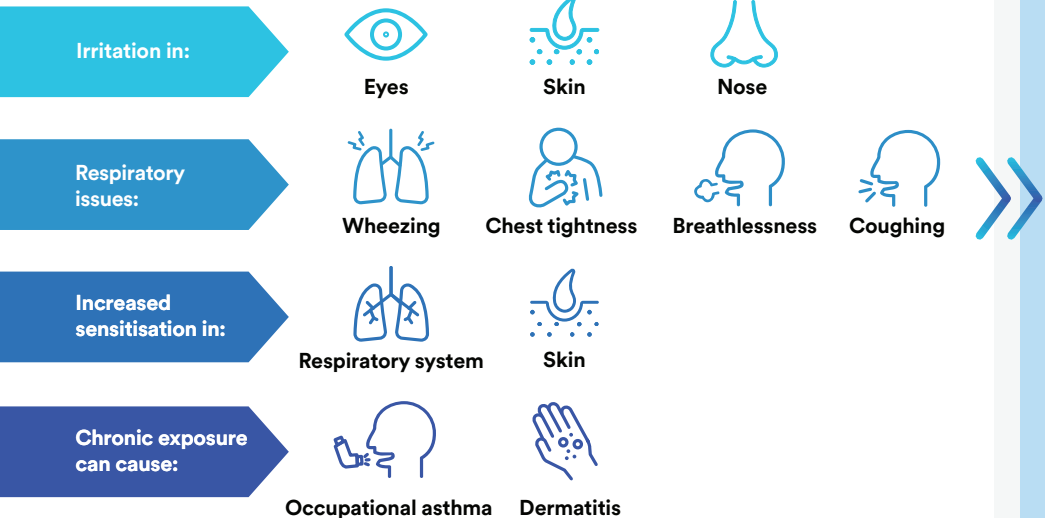
Cleaning paint booths



Maintaining spray equipment




Harmful effects of powder coating

Powder coating powders generally have low solvent content compared to liquid-based paints and are often classified as having **low toxicity**. However, some powder coats can have pigments and hardeners that can pose health risks such as:
















How can one protect against it?

In order to reduce exposure and risks to workers, you can:

-  **Get Respiratory Protective Equipment (RPE).**
-  **Conduct risk assessment to compare exposure levels with limits.**
-  **Implement engineering controls such as local exhaust ventilation (LEV).**

What RPE does 3M recommend for protection against powder coating?

3M has a range of RPE that can help reduce your exposure to dusts, mists, metal fume, as well as gases and vapours commonly encountered in metal production and fabrication.

Type of Respirators	Recommended 3M Respiratory Protective Equipment*				
<div></div> <div>Powered Air Respirator</div>	<div></div> <div>3M™ Versaflo™ Powered Air Turbo Starter Kit TR-619A</div>	+	<div></div> <div>3M™ Versaflo™ M-Series Helmet with Comfort Faceseal, M-306</div>	+	<div></div> <div>3M™ Versaflo™ High Efficiency Particle Filter TR-6710ANZ</div>
<div></div> <div>Supplied Air Respirator</div>	<div></div> <div>3M™ Versaflo™ Vortex Cooling Assembly, V-100</div>	OR		<div></div> <div>3M™ Versaflo™ Supplied Air Regulator, V-500E</div>	
<div></div> <div>Reusable Respirator</div>	<div></div> <div>3M™ Secure Click™ Full Facepiece Reusable Respirator FF-800 or Half Facepiece HF-800SD Series</div>	+		<div></div> <div>3M™ Secure Click™ Particulate Filter D3138, P3R, with Nuisance Level Organic Vapour/Acid Gas Relief</div>	
<div></div> <div>Disposable Respirator</div>	<div></div> <div>3M™ Aura™ Particulate Respirator 9322A+, FFP2/P2^</div>	<div></div> <div>3M™ Cupped Particulate Respirator 8822, P2^</div>			

*This is only recommendation for minimum PPE required. Each work application must be evaluated by a competent person as required by local laws and regulations for the hazard and risk before selection of right PPE. Workplace rules and regulations must take precedence, if more stringent. ^For protection against particulates only.

REQUEST A DEMO

To know which respiratory protection is best suited for your work environment, scan the QR code.

AU and NZ



READ MORE

For more information on the hazard and product disclaimers, scan the QR code for the technical bulletin.

AU and NZ



EXPLORE MORE

To discover variety of respiratory protection equipment from 3M, for your workers, scan the QR code.

AU



NZ

