

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:







Manual spray applications



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Handling and dispensing powders



Pigments

Resins

Other

additives

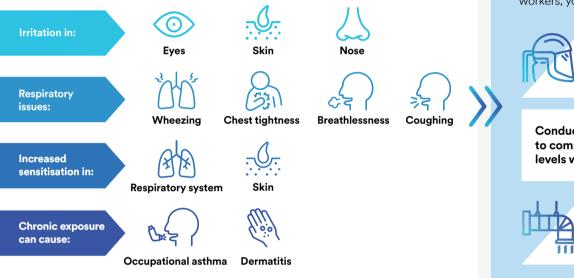
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Cleaning paint booths

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:



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

protect against it?

How can one

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Curing

agents

Powder coatings



Get Respiratory Protective Equipment (RPE).

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Conduct risk assessment
to compare exposure
levels with limits.
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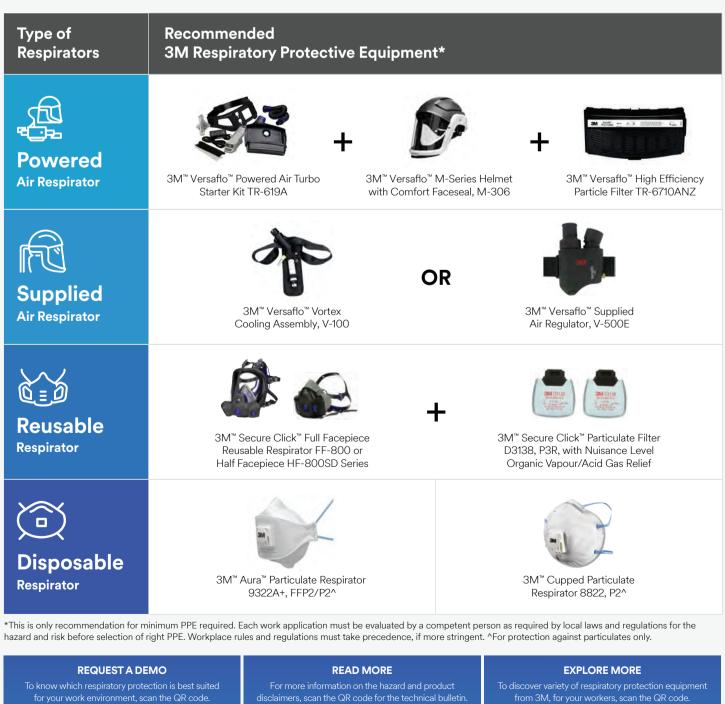




Implement engineering controls such as local exhaust ventilation (LEV).

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.





AU and NZ





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