



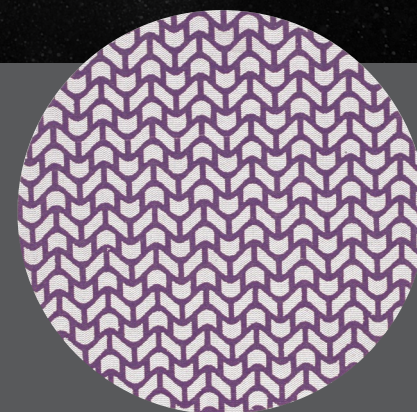
# Xtract™

Clean Sanding Solutions

Sand  
& Prep



## 3M Xtract™ Clean Sanding Solutions **Abrasive Safety Guide**





## Abrasive Hazards

Abrasive applications such as sanding can involve a multitude of hazards, and identifying those hazards and the best safety solutions to address them is not always easy. Sanding creates airborne particles which causes air quality issues and risk of fire and explosions in the workshop. If not properly managed, the routine use of abrasives can also create longer-term health risks from the noise and vibration encountered.

## Abrasive Workplace Hazards



Noise



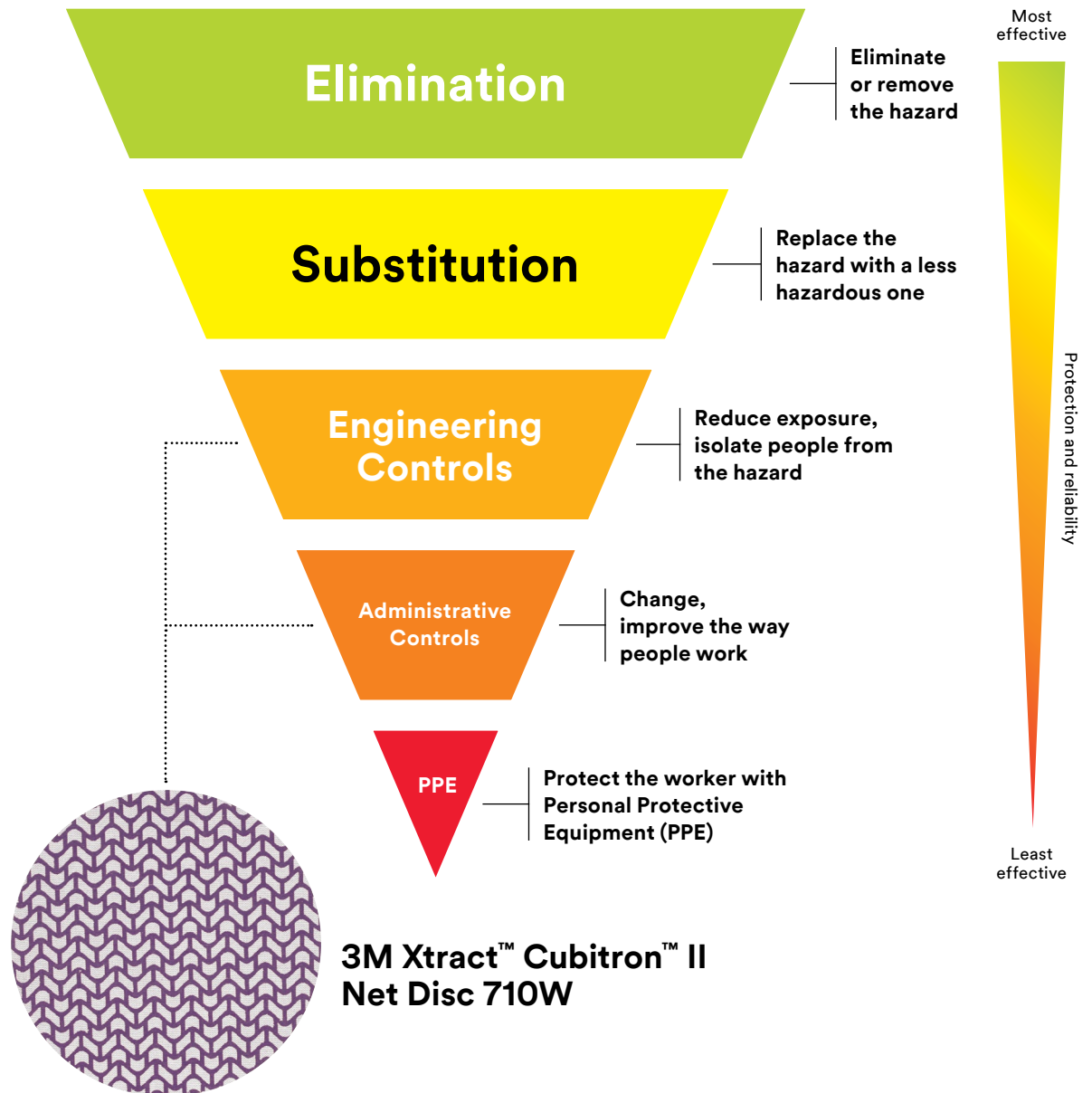
Hand-Arm  
Vibration



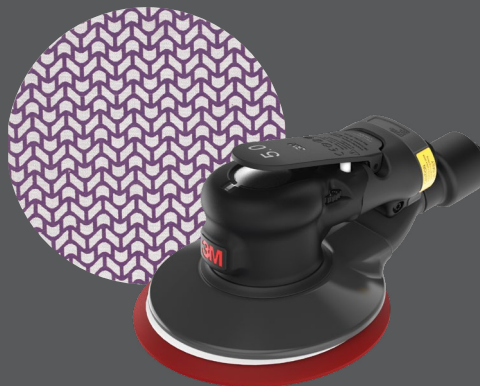
Airborne  
Particles

Best practice in health and safety management begins with a thorough risk assessment. Once hazards have been identified and categorized for risk, the next step is to implement preventative measures and appropriate controls.

## Hierarchy of Controls



# 3M Xtract™ Cubitron™ II Net Disc 710W can help reduce risks from exposure to hazards in your workplace.

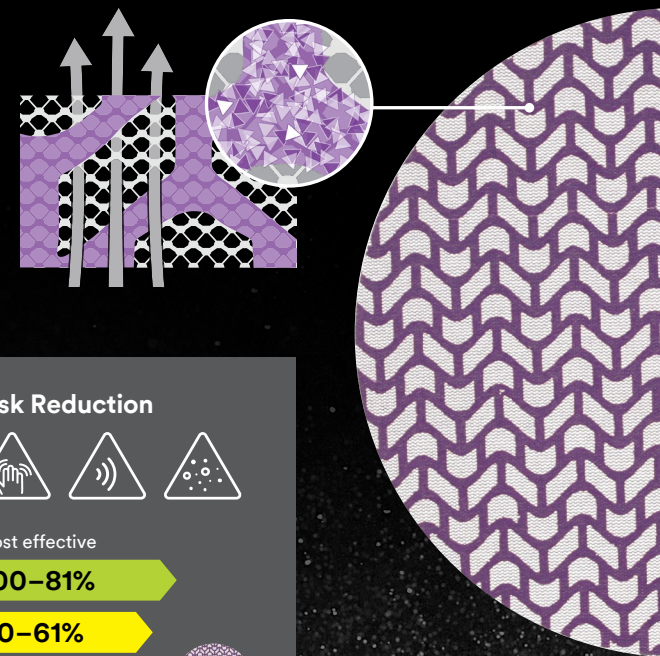


**Up to 99% dust extraction for a virtually dust-free work environment.**



## 3M Net Abrasive Backing Technology

As you sand, any dust produced is easily pulled through the net backing, continuously extracting and collecting into the vacuum system. This unique net abrasive pattern is paired with 3M Precision-Shaped Grain (PSG) revolutionary sanding technology — providing industry leading cut rate and prolonged abrasive life for a variety of applications and substrates.

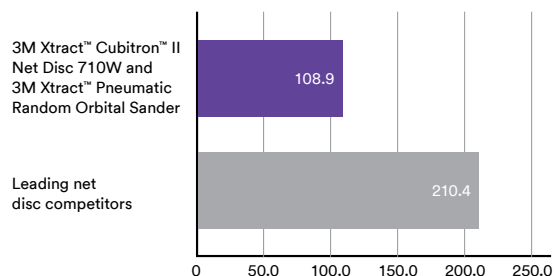


**3M Xtract™ Cubitron™ II Net Disc 710W helps minimize vibration up to:**

**48% ↓** 

**Less hand-arm vibration**  
VS. leading net disc competitors

**Vibration Exposure (points\*)**

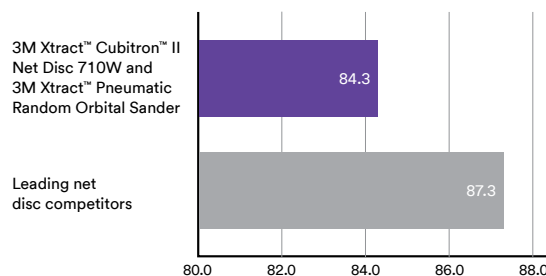


**3M Xtract™ Cubitron™ II Net Disc 710W helps minimize noise up to:**

**49% ↓** 

**Less noise**  
VS. leading net disc competitors

**Noise Intensity dB(A)\*\***



## Risk Reduction



Most effective

**100–81%**

**80–61%**

**60–41%**

**40–21%**

**20–0%**

Least effective

Hand-arm vibration and noise compared to a leading competitor and 3M Xtract™ Cubitron™ II Net Disc 710W, according to independent testing by Fraunhofer Institute in January 2022. For further information on the independent test data carried out by Fraunhofer Institute, please contact us: [abrasive.uk@mmm.com](mailto:abrasive.uk@mmm.com).

\* Exposure points are computed from physical parameters, they are an assessment of operator exposure to vibration during a working shift. The Exposure Action Value (EAV) is 100 points or 2.5 m/s<sup>2</sup> and the Exposure Limit Value (ELV) is 400 points or 5 m/s<sup>2</sup>. Total exposure to vibration in a working shift is ideally less than the EAV.

\*\* Noise is measured in dB(A) and is a logarithmic number, a reduction of 3 dB(A) is a halving of the noise intensity. Above 80 dB(A) hearing protection should be provided.

# Help get outstanding dust control when utilizing the full 3M Xtract™ Clean Sanding System.

Our range of tools and accessories are designed for ease of use and optimal dust extraction. So you don't have to compromise high performance for dust management.

Match your 3M Xtract™ abrasive discs, tools and accessories to help boost safety and productivity.



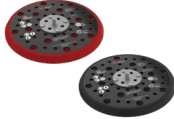


Learn more at [3M.ca/Xtract](https://3M.ca/Xtract)



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## 3M Xtract™ Clean Sanding System

Product	Description
	3M Xtract™ Cubitron™ II Net Disc 710W
<i>Recommended for use with above.</i>	
	3M Xtract™ Random Orbital Sanders Pneumatic and Electric
	3M Xtract™ Back Up Pads Multi-Hole
	3M Xtract™ Filter Bag System Self-Generated Vacuum System
	3M Xtract™ Portable Dust Extractor Central-Vacuum System

*Tools and accessories must be purchased separately.*

## 3M Personal Protective Equipment (PPE)

Product	Description
	3M™ SecureFit™ 500 Series Safety Glasses
	3M™ Ratchet Headgear H8A, Head and Face Protection 82783 00000, with 3M™ Clear Polycarbonate Faceshield WP96
	3M™ Particulate Welding Respirator 8515
	3M™ E-A-R™ Push-Ins™ Earplugs 318-100
	3M™ E-A-R™ Classic™ Earplugs 311-1101

*Not a complete list of products. Visit [3M.ca/PPESafety](https://3M.ca/PPESafety)*

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