

# ABRASIVES SELECTION GUIDE



## Introduction

Welcome to our comprehensive guide to RS PRO abrasives! Abrasives are essential tools in a variety of industries, from automotive manufacturing to woodworking and metal fabrication.

Choosing the optimum product is essential as using the wrong tool for a specific task can result in poor quality work, increased project time, and even safety hazards. This guide will help you choose the right abrasive product for your specific application, ensuring that your project is completed efficiently, effectively, and safely. So let's get started!

## Grit Explained

The table shows typical grit grades for each stage of the application process. Grades are inversely proportional to grit size, so fine abrasives are higher grades using smaller sizes of grit.

COARSE (GRINDING)							FINE (FINISHING)					
GRIT	24	30	36	40	50	60	80	100	120	150 - 180	180 - 320+	
CUTTING-OFF AND GRINDING WHEELS	Cutting-off											
	Heavy Duty Grinding											
COATED ABRASIVES	Stock Removal											
						Blending & Refining						
						Sanding						
						Surface Preparation & Cleaning						
									Finishing			

## Contents:

### CUTTING & GRINDING



Suitable for:

#### Cutting

Accurate and fast cutting of materials.



Angle Grinders

#### Grinding

The removal of welds and burrs.



Angle Grinders



Bench Wheels



Die Grinders

#### Stock Removal

Removal of heavy weld seams and excess material.



Angle Grinders

### SANDING & FINISHING



Suitable for:

#### Sanding

Removal of dirt and achieving a fine surface finish.



Angle Grinders



Belt Sanders



Sanding Blocks

#### Hand Sanding

Working by hand to achieve a fine finish on special areas.



Belt Sanders



Sanding Blocks

#### Surface Preparation

Removal of dirt, rust or corrosion and preparation prior to coating.



Angle Grinders



Orbital Sanders



Die Grinders

#### Finishing & Polishing

Providing a high gloss finish to complete a project.



Angle Grinders



Orbital Sanders



Die Grinders

## Using the right tool for the job

Use this chart to help you choose the right abrasive product for your specific application, ensuring that your project is completed efficiently, effectively, and safely.

**BEST FOR APPLICATION** ✓✓

**ALTERNATIVE USE** ✓

		TOOL										
		CUTTING DISC	DIAMOND BLADES	GRINDING DISC	GRINDING WHEELS	ABRASIVE BRUSHES	FIBRE DISCS	SANDING DISCS	FLAP DISCS	FLAP WHEELS	SANDPAPER ROLLS	ABRASIVE SHEETS
APPLICATION	CUTTING METAL	✓✓	✓									
	MASONRY		✓✓									
	GRINDING			✓✓	✓✓				✓✓			
	STOCK REMOVAL					✓✓			✓✓	✓✓		
	SANDING						✓✓	✓✓	✓✓			
	HAND SANDING										✓✓	✓✓
	SURFACE PREPARATION			✓		✓✓	✓✓	✓✓	✓✓	✓	✓	✓



## CUTTING & GRINDING

RS PRO offers one of the most comprehensive Bonded Abrasive ranges available on the UK market. Our signature Cutting, Grinding and Extra Thin Discs are available in a range of quality levels and sizes for use on a multitude of material applications.

[SEE THE FULL RANGE](#)



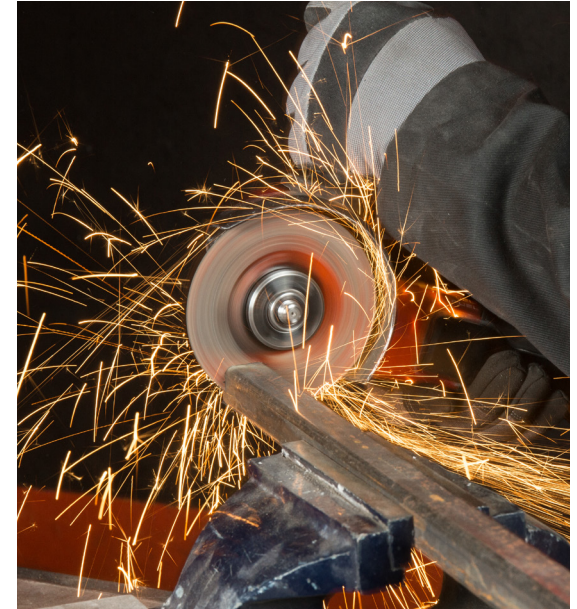


## BONDED ABRASIVES

EXTRA THIN CUTTING DISCS  
CUTTING DISCS  
GRINDING DISCS

RS PRO offers one of the most comprehensive Bonded Abrasive ranges available on the UK market. Our signature Cutting, Grinding and Extra Thin Discs are available in a range of quality levels and sizes for use on a multitude of material applications.

**SEE THE FULL RANGE**



## FLAP DISCS

ZIRCONIUM FLAP DISCS  
CERAMIC FLAP DISCS

RS PRO Flap Discs Range provides high performance, professional quality products in a range of quality levels to suit market demands. The RS PRO Flap discs range includes products designed for a wide range of stock removal, finishing and polishing applications. All RS PRO flap discs are manufactured to EN standards, moreover Zirconium and Ceramic Flap Discs carry the O.S.A safety mark.

**SEE THE FULL RANGE**





## DIAMOND CORES

### DRY DIAMOND CORES

RS PRO Dry Diamond Cores are manufactured using tool grade steel and premium diamond grain. Featuring a new fluted barrel and wide slots for easy and efficient removal of dust and debris.

150mm in length with a diamond turbo segment set firmly into the metal core to ensure maximum strength and durability. Excellent working life, speed and performance. Comprehensive range of sizes to suit all requirements.

[SEE THE FULL RANGE](#)



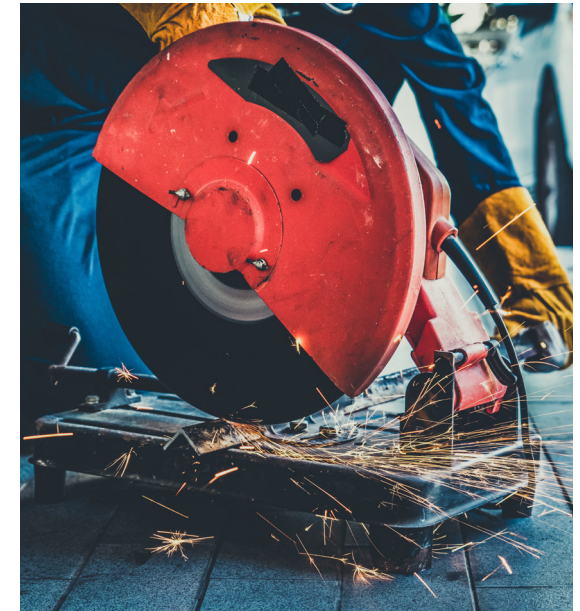


## DIAMOND BLADES

### DIAMOND BLADES

RS PRO Diamond Blades are the ideal accessory for the professional contractor who use corded or cordless power circular saws. Considered as an expert level professional saw blade the expert-lines performance is superior to similar saw blades in its class.

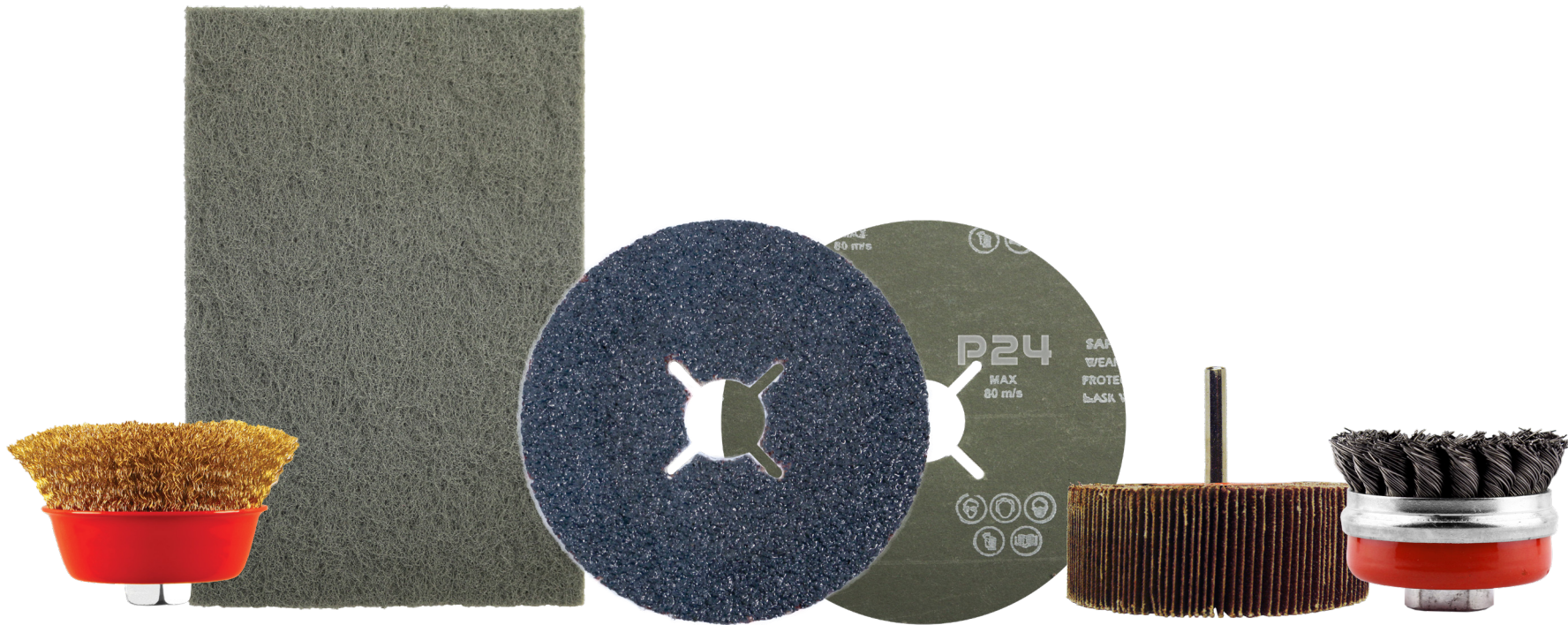
**SEE THE FULL RANGE**



## SANDING & FINISHING

Sanding and surface preparation is a crucial step in completing any professional project to a high standard. It's all about adding that final aesthetic flourish, or cleaning up materials, components, edges and surfaces for better functionality and a slick overall presentation. Whether you're looking to clean up plasterwork or metals, produce an extra-fine finish on wooden surfaces, or hone a blade to a perfect cutting edge, RS PRO stocks a range of quality sanding and sharpening products to get the job done right.

[SEE THE FULL RANGE](#)



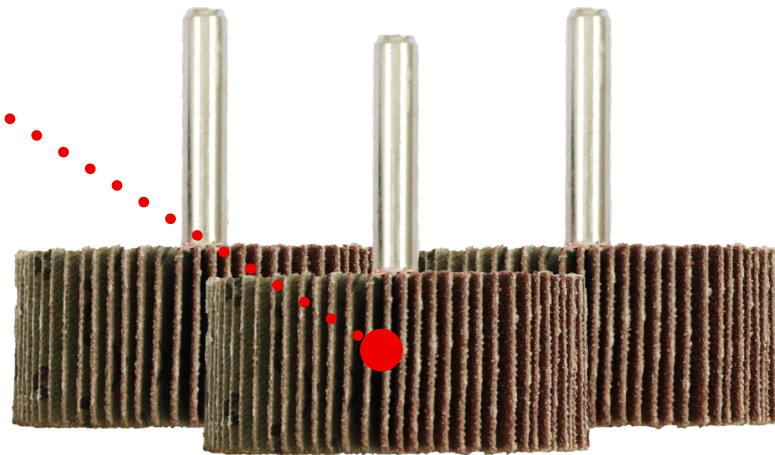


## FLAP WHEELS

### SPINDLE MOUNTED FLAP WHEELS

Flap wheels are needed when consists of an abrasive compound that can be powered to remove a substance from a number of materials. Usually powered by either a handheld angle grinder or a bench grinder and are for preparing or finishing a surface.

[SEE THE FULL RANGE](#)



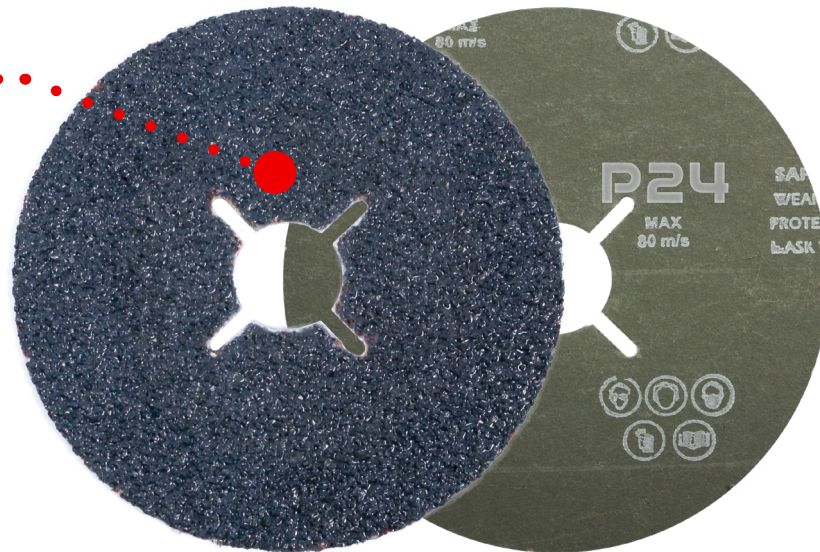


## FIBRE SANDING DISCS

### ZIRCONIUM FIBRE SANDING DISCS

RS PRO European manufactured O.S.A approved Fibre Sanding discs range features a full resin bond system with heavy duty fibre backing. Professional quality for the professional user and available in a range of quality levels designed to give premium performance on a wide range of material applications.

[SEE THE FULL RANGE](#)



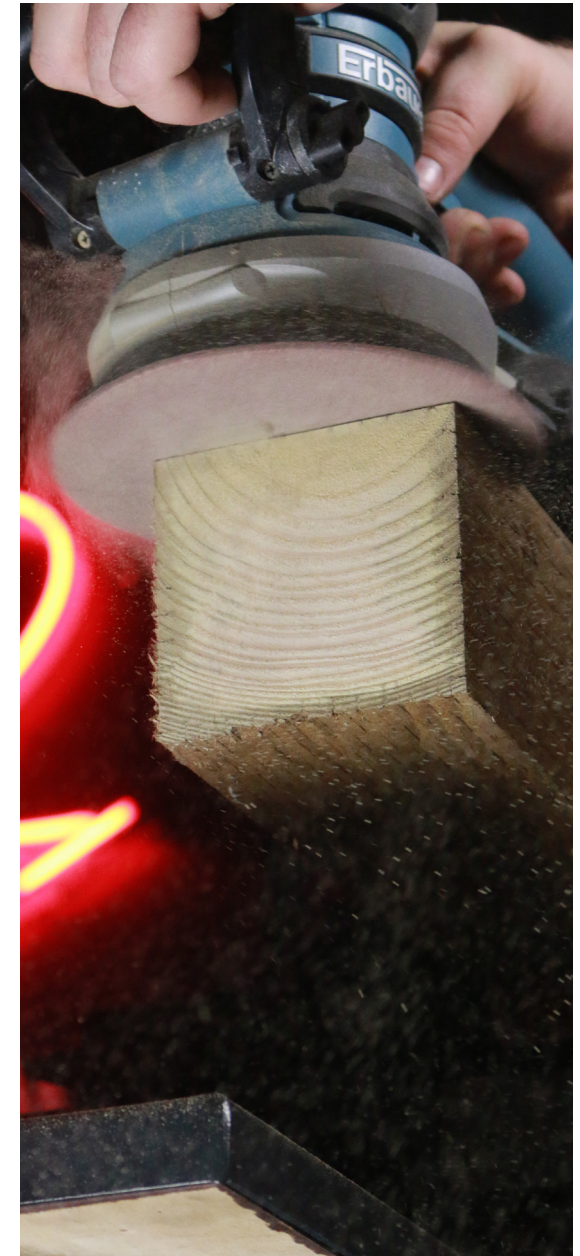
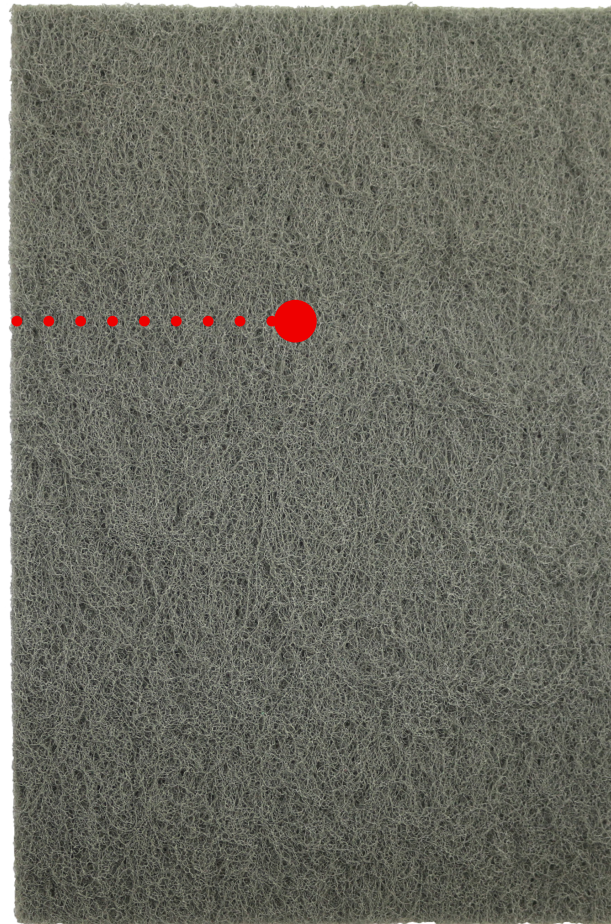


## COATED ABRASIVES

- WET & DRY SHEETS
- HOOK & LOOP SANDING DISCS
- P.S.A SANDING DISCS
- HAND PADS
- EMERY SHEETS & ROLLS

The RS PRO range of Coated Abrasives are manufactured using premium quality materials to ensure top quality performance and excellent results every time.

[SEE THE FULL RANGE](#)



## WIRE BRUSHES

SPINDLE MOUNTED WIRE BRUSHES  
TWIST KNOT CUP WIRE BRUSHES  
CRIMPED CUP WIRE BRUSHES

RS PRO's comprehensive range of wire brushes are tested to extremes to ensure maximum performance when used in industrial environments.

[SEE THE FULL RANGE](#)





**RS PRO products are audited against demanding international standards, inspected for durability and consistency and tested by leading engineers.**

Only when products have been through this process are they awarded our seal of approval, quality that can be trusted. Confidence in this process is reflected in our long product warranties, proof that our products will consistently deliver the quality you expect for a long time to come.



**AUDITED**

In compliance with industry standard



**INSPECTED**

By leading engineers



**TESTED**

For guaranteed quality and performance

