

# Cutting & Workbench Protection Mats Performance Range



#### About Rhino Innovation

Rhino Innovation Ltd are wholesalers and retailers of cutting mats and workbench protection mats, workshop cutting tools and metal workbenches. Rhino as a cutting mat brand has been established since 2005 and grown into a leading supplier of workplace innovation products.

We're passionate about providing unique cutting mats and bespoke solutions, be it one off prototypes or national roll-out programs in many sectors including cleanrooms for automotive, aerospace and marine, signage and printing, manufacturing and warehousing, craft and textiles, and schools and education.

#### Our Mission

At the core of our mission is our belief that we can add value by providing innovative, time saving and more effective solutions, coupled with our desire to bring them to market in a sustainable way.

Historically many of our core products are based around PVC, which has meant we've taken time to innovate and promote new materials and schemes to build a sustainable greener future.







PRECISION. PROTECT. PREVENT.

# Why Use High Performance Cutting and Workbench Protection Mats?

- Up to 75% Increase in life expectancy over other surface solutions
- Up to 65% Increase in Speed, accuracy and user safety when cutting and trimming
- Up to 68% Improvement in preserving work surfaces and protecting products being worked on avoiding cross contamination
- Up to 50% Reduction in replacement tool costs by extending tool and blade life



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## **HEAVY DUTY** CUTTING MAT



Our Rhino heavy-duty cutting mat is a great solution suitable for large applications and fabricating environments where a heavy-duty cutting mat or workbench protection mat is needed.

- > 4.5mm thick semi-opaque white heavy-duty cutting mat
- Manufactured to help deal with cross contamination and foreign object debris control
- > Solvent-proof and anti-glare surface

- > Ensures faster straighter cutting and reduces replacement blade costs
- A great investment for your workplace – protects your work surface and keeps your tables looking clean
- > Good self-healing properties and silicone free. Slightly textured one side
- > Free of phthalate plasticisers and silicone free. No odour advantage compared to Rubber mat alternative

CODE	SIZE (MM)	CODE	SIZE (MM)	CODE	SIZE (MM)
TM4568	800 x 600mm	TM4540	1500 x 600mm	TM4533	2000 x 900mm
TM4545	1200 x 600mm	TM4569	1500 x 750mm	TM4532	2400 x 600mm
TM4544	1200 x 750mm	TM4539	1500 x 900mm	TM4531	2400 x 750mm
TM4567	1200 x 800mm	TM4538	1800 x 600mm	TM4530	2400 x 900mm
TM4543	1200 x 900mm	TM4537	1800 x 750mm	TM4501	2440 x 1220mm
TM4566	1200 x 1200mm	TM4536	1800 x 900mm	TM4502	3050 x 1525mm
TM4542	1440 x 900mm	TM4535	2000 x 600mm	TM4565	3660 x 1525mm
TM4541	1440 x 1200mm	TM4534	2000 x 750mm	TM4502	4880 x 1220mm
				TM4563	3660 x 1830mm



## MEDIUM DUTY CUTTING MAT



Our Rhino Medium Duty mat is a great small to medium mat for light to medium duty cutting, and fabricating environments. Also ideal for a workbench protection mat in many industries including Manufacturing and packing benches.

- > 3mm thick semi-opaque white medium duty cutting mat or workbench mat
- > Good self-healing properties and silicone free. Slightly textured one side
- > Ensures straighter cutting and knife blades last longer
- > Solvent-proof and anti-glare surface
- > A great investment for your workplace - protects your work surface and keeps your tables looking clean

CODE	SIZE (MM)	CODE	SIZE (MM)
TM4523	600 x 800mm	TM4527	A3 (420 x 297mm)
TM4528	1500 x 750mm	TM4526	A2 (594 x 420mm)
TM4522	1200 x 800mm	TM4525	A1 (841 x 594mm)
TM4521	1220 x 1220mm	TM4524	AO (1189 x 841mm)
TM4520	2440 x 1220mm		
TM4519	3050 x 1525mm		



## SUPASEAL CLEAR CUTTING MAT



Our SupaSeal clear cutting mats offer long-term durability and exceptional self-healing properties. They provide a perfect cutting surface and great workbench surface protection. SupaSeal cutting mats are completely clear with a very slight blue tint.

- > Exceptional self-healing properties
- > 5mm thick & double-sided for twice the life
- > Available in multiple widths and up to 20m x 2.2m in one length
- > Suitable for all types of applications including flat-bed laminator /roller tables
- > Solvent and most chemicals proof and waterproof
- > Available in Anti-Static Supaseal AS version in 3 Widths

CODE	CIT	

TM4570 1000mm Wide / Price Per Metre TM4571 1200mm Wide / Price Per Metre TM4572 1500mm Wide / Price Per Metre TM4573 1800mm Wide / Price Per Metre TM4574 2200mm Wide / Price Per Metre

#### CODE SIZE

**TM4578** A3 Size (297 x 420mm) **TM4577** A2 Size (420 x 594mm) **TM4576** A1 Size (594 x 841mm) **TM4575** AO Size (841 x 1189mm)



## **SUPASEAL GREY CUTTING MAT**



Our SupaSeal Grey Cutting and workbench protection mats offer great durability and exceptional self-healing properties. They provide a perfect cutting surface and workbench protection mat. The Supaseal Grey has the same properties as the Supaseal Clear mats

- > Exceptional self-healing properties
- > 5mm thick & double-sided for twice the life
- > Available in multiple widths and up to 20m x 1.5 m in one length
- > Solvent and most chemicals proof and waterproof
- Silicone free, and Free of phthalate plasticisers

> Ideal Mat to provide a smart clean bench finish to hide any existing worn bench surface

#### CODE SIZE

TM4570GR 1000mm Wide / Price Per Metre
TM4571GR 1200mm Wide / Price Per Metre
TM4572GR 1500mm Wide / Price Per Metre





Our SupaLite clear workbench mats offer a great option for workbench protection mats or light duty cutting mats. SupaLite cutting mats are completely clear with a very slight blue tint.

- > Excellent workbench protection mat
- > 3mm thick & double-sided for twice the life
- > Available in multiple widths and up to 20m x 1.5m in one length
- > Silicone free, and Free of phthalate plasticisers
- > Suitable for all types of applications including flat-bed laminator /roller tables or Workbench Protection.
- > Solvent and most chemicals proof and waterproof

CODE	SIZE
TM4570SL	1000mm Width /Price Per Metre
TM4571SL	1200mm Width /Price Per Metre
TM4572SL	1500mm Width /Price Per Metre

CODE	SIZE
TM4578SL	A3 Size (297 x 420mm)
TM4577SL	A2 Size (420 x 594mm)
TM4576SL	A1 Size (594 x 841mm)
TM4575SL	AO Size (841 x 1189mm)



### **ULTRASEAL** CUTTING MAT



Our Premium Ultraseal Grey cutting mat is extremely durable, and designed and manufactured specifically for hi-tech industries where there is constant cutting. A great investment for your workplace – protects your work surface, and with great hygienic 'easy clean' and waterproof properties, means you can keep your bench looking fantastic.

- > Exceptional self-healing and wear properties. An extremely dense and robust cutting surface whilst still allowing the knives to glide.
- > Available in 4mm or 6mm Thickness, Ideal for constant cutting in demanding situations such as automotive or aerospace industries.
- > Smooth finish great for working with extremely sensitive and high-quality products. Shorehardness of 70A gives a slightly softer surface than the Ultraseal XT
- Manufactured to help deal with cross contamination and foreign object debris control, ideal when working with materials such as carbon fibre, composite and performance materials. Able to withstand heat up to 90Degrees meaning it's a great mat for using in conjunction with Heat Guns and soldering equipment.

#### CODE

TM4662

POA



### ULTRASEAL XT CUTTING MAT



Our Premium Ultraseal XT Grey cutting mat is the pinnacle of durability. Used in multiple industries, but particularly Advanced Materials such as Carbon Fibre production and trimming where there is extreme and constant cutting, giving Market-leading self-healing and wear properties. It provides an unrivalled cutting surface for the most demanding environments

- > Ultimate self-healing and wear properties. An extremely dense and robust cutting surface whilst still allowing the knives to glide.
- > Available in 6mm Thickness, Ideal for constant cutting in demanding situations such as automotive or aerospace industries.
- > Smooth Satin finish both sides means great for working with extremely sensitive and high-quality products. 90A Shorehardness providing a supportive but ultra-durable cutting surface. Protecting the items being worked on, whilst minimising the risk of knife slippage and hand injuries
- > Manufactured to help deal with cross contamination and foreign object debris control, ideal when working with materials such as carbon fibre, composite and performance materials. Able to withstand heat up to 90Degrees meaning it's a great mat for using in conjunction with Heat Guns and Soldering equipment.

#### CODE

TM4665

POA



### **XTRATUFF** WORKBENCH MAT



Our Rhino Workbench Protection board, is an excellent cost effective hard wearing and durable workbench board. Fantastic for protecting workbench tops and workstations, its textured surface allows boxes or items to slide around with ease. Ideal for Fulfilment, 3PL or packaging areas.

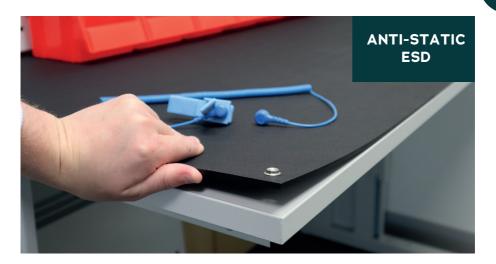
- > 3mm Thick Black Textured finish, Rigid hard Wearing protection board
- > Solvent proof and lightly textured anti-glare surface. Superior impact strength.
- > Predominately for workbench protection, but also strong enough to stand up to knife cuts, although not self-healing as our other cutting mat
- > Ideal to cover poor existing surfaces, and provides a smart, clean work surface
- > Available in 2440 x 1220 or 3050 x 1500mm sheets, and can be cut to size

CODE	SIZE	
TM4700 TM4701	2440 x 1220mm (8' x 4') 3050 x 1500mm (10' x 5')	



### XTRATUFF ESD WORKBENCH MAT





Our Rhino Xtratuff ESD Workbench Protection board, is an excellent hard wearing and durable workbench board. Fantastic for protecting workbench tops and workstations. Ideal for areas such as manufacture of electrical components where an Anti-Static ESD environment is important.

- > 4.5mm Thick Black Textured finish, Rigid hard Wearing protection board
- > Surface Resistivity to BS EN 61340-2-3, Measured Surface Resistance 9.6 x  $102\Omega$ , Calculated Surface Resistivity 9.6 x  $103\Omega$ , Classification as per BS EN 61340-5-1 Static Dissipative
- > Complete with 10mm Press Stud for grounding methods such as wrist straps.
- > Solvent proof and lightly textured anti-glare surface. Superior impact strength.
- > Predominately for workbench protection, but also strong enough to stand up to knife cuts, although not self-healing as our other cutting mats
- > Available in multiple sizes up to 2000 x 1000mm. Can be Cut to Bespoke Size

CODE	SIZE
TM4591	2000 x 1000mm
TM4592	2000 x 750mm
TM4593	1800 x 750mm
TM4594	1500 x 750mm



# **PRODUCT COMPARISON**CUTTING MAT TECHNICAL GUIDE

TOOL/USE/APPLICATION	HEAVY DUTY	MEDIUM DUTY	SUPASEAL /AS/Grey	SUPALITE	ULTRASEA
MAT PROPERTIES					
COLOUR	SEMI-OPAQUE WHITE	SEMI-OPAQUE WHITE	CLEAR BLUE / GREY	CLEAR BLUE TINT	GREY
ANTI-SLIP	***	***	****	****	***
SILICONE FREE	YES	YES	YES	YES	YES
SELF-HEALING PROPERTIES	***	***	****	****	***
ANTI-GLARE SURFACE	****	****	***	***	***
DURABILITY	****	***	***	***	***
TEXTURED SURFACE	YES	YES	NO	NO	NO
MATERIAL FLEXIBILITY	***	***	***	***	***
RESISTANCE AGAINST SHOCK & TEARS	****	****	****	****	***
ALMOST INVISIBLE KNIFE CUTS	***	***	***	***	***
RAZOR STRAIGHT CUTTING	****	****	****	****	****
REDUCE TRAMLINING WHEN CUTTING		****	***	****	***
APPLICATION USE					
WORKBENCH & SURFACE PROTECTION	****	****	****	****	***
PRINT & GRAPHICS TRIMMING	****	****	****	***	***
GENERAL WAREHOUSE USE	****	****	****	****	***
CRAFTS & PHOTOGRAPHY			****	****	
QUILTING & HOBBIES		****	****		
MULTI-PROPOSE CUTTING	****	****	****	****	
HEAVY-DUTY APPLICATION	****		****	***	****
HEAVY-DUTY APPLICATION FLAT-BED ROLLER LAMINATOR TABLE					
TOOL USE	****	***	****	***	*
ROTARY CUTTER	****	****	**	**	**
				****	***
CRAFT KNIFE	***	***	***		
SCALPEL	****	****	***	***	***
STANLEY/ POWER KNIFE	****	****	****	***	***
SIZES/OPTIONS  LARGEST MAT SIZE				20M x 1500mm	3000 x 1200n
THICKNESS	4880 x 1220/3657 x 1828mm 45mm	2440 x 1220mm	20M x 2200mm	20M x 1500mm	4mm and 6r
DOUBLE SIDED (USE BOTH SIDES)	YES (Only Texured 1 Side)	YES (Only Texured 1 Side)	YES	YES	NO NO
PRINTED FLEXI-GRID AVAILABLE	YES (Only Texured 1 Side)	VES (Only Texured 1 Side)	VES	VES	NO NO
CUT TO BESPOKE SIZE	YES	YES	YES	YES	YES
CNC SHAPED (CAD FILE REQUIRED) PO	. ==	YES	NO	NO	NO
TECHNICAL SPECIFICATION					
SOLVENT PROOF/MOST CHEMICAL PROOF	****	****	***	***	***
WATERPROOF	****	****	****	****	***
FIRE RETARDANT	***	***	<b>★★★★</b> M2	<b>★★★★</b> M2	***1
HEAT RESISTANT	***	***	***	***	***
LIGHT TRANSMISSION	45%	45%	75%	75%	0%
ANTI-STATIC	***	***	***	***	***
RECYCLABLE	****	****	****	***	**
REACH CONFORMABLE	YES	YES	YES	YES	YES
ANTI-BACTERIAL	NO	NO	NO	NO.	NO
	-		80	80	70
SHORE HARDNESS	50	50			/ 0
SHORE HARDNESS	50 0.93a/cm₃	50 0.93g/cm₃	1.22g/cm₃	1.22g/cm <sup>2</sup>	1.06a/
DENSITY	0.93g/cm₃	0.93g/cm₃		1.22g/cm₃ 50 KN/m	_
SHORE HARDNESS DENSITY TEAR STRENGTH HEAT RESISTANCE (MIN)			1.22g/cm₃	1.22g/cm₃ 50 KN/m	1.06g/ 56 KN -60c

# PRODUCT COMPARISON WORKBENCH PROTECTION MAT TECHNICAL GUIDE

TOOL/USE/APPLICATION	XTRATUFF	XTRATUFF ESD	SUPASEAL /AS/Grey	SUPALITE
MAT PROPERTIES				
COLOUR	SOLID BLACK	SOLID BLACK	CLEAR BLUE / GREY	CLEAR BLUE TINT
ANTI-SLIP	***	***	****	****
SILICONE FREE	YES	YES	YES	YES
SELF-HEALING PROPERTIES	**	**	****	****
ANTI-GLARE SURFACE	****	****	***	***
DURABILITY	***	***	***	***
TEXTURED SURFACE	YES	YES	NO	NO
MATERIAL FLEXIBILITY	***	**	***	***
RESISTANCE AGAINST SHOCK & TEARS	****	****	****	****
ALMOST INVISIBLE KNIFE CUTS	***	***	***	***
RAZOR STRAIGHT CUTTING	***	***	***	***
REDUCE TRAMLINING WHEN CUTTING	***	***	***	***
APPLICATION USE				
WORKBENCH & SURFACE PROTECTION	****	****	***	***
PRINT & GRAPHICS TRIMMING	**	**	***	***
GENERAL WAREHOUSE USE	****	****	****	***
CRAFTS & PHOTOGRAPHY	**	**	***	***
QUILTING & HOBBIES	**	**	***	***
MULTI-PURPOSE CUTTING	***	***	***	***
HEAVY-DUTY APPLICATION	***	***	***	***
FLAT-BED ROLLER LAMINATOR TABLE	N/A	N/A	****	***
FOOL USE				
ROTARY CUTTER	*	*	**	**
CRAFT KNIFE	***	***	***	***
SCALPEL	***	***	***	***
STANLEY/ POWER KNIFE	***	***	***	***
SIZES/OPTIONS				
ARGEST MAT SIZE	3050 x 1500mm	2000 x 1000mm	20M x 2200mm	20M x 1500mm
THICKNESS	3.0mm	4.5mm	5mm	3mm
	(Only Texured 1 Side)	YES (Only Texured 1 Side)	YES	YES
PRINTED FLEXI-GRID AVAILABLE	N/A	N/A	YES	YES
CUT TO BESPOKE SIZE	YES	YES YES	YES NO	YES NO
CNC SHAPED (CAD FILE REQUIRED) POA	YES	YES	NU	NO
SOLVENT PROOF/MOST CHEMICAL	****	****	****	***
VATERPROOF	****	****	****	****
TIRE RETARDANT	****	****	<b>★★★★</b> M2	★ ★ ★ M2
			IVIC	
HEAT RESISTANT	****	****	****	***
	<b>★★★</b>	* * * *	<b>★ ★ ★ ★</b> 75%	<b>★ ★ ★</b> 75%
IGHT TRANSMISSION				
LIGHT TRANSMISSION ANTI-STATIC / ESD	0%	0% ****	75%	75%
IGHT TRANSMISSION ANTI-STATIC / ESD RECYCLABLE	0% ★★★	0%	75% <b>★ ★ ★</b>	75% ***
LIGHT TRANSMISSION ANTI-STATIC / ESD RECYCLABLE REACH CONFORMABLE	0% ***	0% ****	75%  ***	75%  ***  ***  YES
LIGHT TRANSMISSION ANTI-STATIC / ESD RECYCLABLE REACH CONFORMABLE ANTI-BACTERIAL	0%  ★★  YES  NO	0%  ***  **  YES  NO	75%  **  **  YES  NO	75%  ***  ***  YES  NO
LIGHT TRANSMISSION ANTI-STATIC / ESD RECYCLABLE REACH CONFORMABLE ANTI-BACTERIAL SHORE HARDNESS	O%  **  YES  NO  N/A	O%  ***  **  YES  NO  N/A	75%  ***  ***  YES	75%  **  **  YES  NO  80
LIGHT TRANSMISSION ANTI-STATIC / ESD RECYCLABLE REACH CONFORMABLE ANTI-BACTERIAL SHORE HARDNESS DENSITY	O%  **  YES  NO  N/A  N/A	0%  ***  **  YES  NO	75%  ***  YES  NO 80	75%  **  YES  NO  80  1.22g/cm3
HEAT RESISTANT LIGHT TRANSMISSION ANTI-STATIC / ESD RECYCLABLE REACH CONFORMABLE ANTI-BACTERIAL SHORE HARDNESS DENSITY TEAR STRENGTH HEAT RESISTANCE (MIN)	O%  **  YES  NO  N/A	O%  YES NO N/A N/A	75%  **  YES  NO  80 1.22g/cm <sub>3</sub>	75%  **  **  YES  NO  80









