

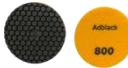











# Resin Diamond Polishing Pads



Category	Picture	Application	Theoretical working area	Grit	Note
Light Series		rapid construction, various hardness of concrete floors	1500m <sup>2</sup> -3000m <sup>2</sup> (12pcs/set)	A(60#), B(120#), C(500#), D(1000#)	<ol style="list-style-type: none"> <li>1. Suitable for the rapid construction.</li> <li>2. Suitable for floors that are wear-resistant and with high hardness aggregates. <a href="#">The content of diamonds are ultra-high.</a></li> <li>3. Matched with various types of light or heavy equipment. They are made with high physical temperature composite resin adhesives.</li> </ol>
Wind Series		standardized construction, various hardness of concrete floors	1500m <sup>2</sup> -3000m <sup>2</sup> (12pcs/set)	50#,100#,200#,400#,800#,1500#	<ol style="list-style-type: none"> <li>1. Suitable for the fine construction.</li> <li>2. Suitable for floors that are with high-strength and hard aggregates. Diamond are the main abrasives.</li> <li>3. Matched with various types of light or heavy equipment. They are made with high physical temperature composite resin adhesives.</li> </ol>
Cloud Series		≤C30, low hardness of concrete floors	1000m <sup>2</sup> -2000m <sup>2</sup> (12pcs/set)	50#,100#,200#,400#,800#	<ol style="list-style-type: none"> <li>1. Suitable for various types of concrete floors within C30.</li> <li>2. Matched with various types of light or heavy equipment.</li> </ol>
Rain Series		≤C30, low hardness of concrete floors	1000m <sup>2</sup> -2000m <sup>2</sup> (12pcs/set)	50#,100#,200#,400#	<ol style="list-style-type: none"> <li>1. Suitable for concrete with low hardness aggregates up to C30, like the common concrete mixed with limestone and sedimentary rock gravel.</li> <li>2. Used for simple polishing of the ground.</li> <li>3. Matched with various light or heavy equipment.</li> </ol>
Transitional pads		high hardness of concrete floors	800m <sup>2</sup> -1000m <sup>2</sup> (12pcs/set)	45#	<ol style="list-style-type: none"> <li>1. Used to remove scratches left by metal bonds.</li> <li>2. Suitable for floors that are wear-resistant and with high hardness aggregates. The content of diamonds are ultra-high.</li> <li>3. Matched with various light or heavy</li> </ol>
Edge resin polishing pads		4"&5", for hand grinder	/	50#,100#,200#,400#,800#,1500#, 3000#	<ol style="list-style-type: none"> <li>1. Used for the hand grinders.</li> <li>2. Concrete floor grinding.</li> <li>3. Dry use</li> </ol>
Edge resin polishing ring		6", for hand grinder	/	50#,100#,200#,400#,800#,1500#, 3000#	<ol style="list-style-type: none"> <li>1. Used for the hand grinders.</li> <li>2. Concrete floor grinding.</li> <li>3. Dry use</li> </ol>
Wet polishing pads		marble, terrazzo and other stone	/	50#,100#,200#,400#,800#,1500#, 3000#	<ol style="list-style-type: none"> <li>1. Wet use.</li> <li>2. Be used on marble, terrazzo and other stone surfaces.</li> <li>3. Matched with various light or heavy equipment</li> </ol>

Thund Series		1.Mohs hardness of floors:5,6,7,8 2.Porosity of floors: Porosity8%-15% Mid density, Porosity4%-8% 3.High density	600m <sup>2</sup> -1000m <sup>2</sup> (12pcs/set)	30#,50#,100#	Dry use 1.Using high-grade diamond as the raw material, with a sturdy heat-dissipating base, it's ideal for grinding deep into concrete floors. 2.Using of grinding machine: Light grinding machine (50-150Kg), Mid grinding machine(150-350Kg), Heavy grinding machine(150-350Kg)
ICE Series		1.Mohs hardness of floors:5,6,7 2.Porosity of floors: Porosity>15% Low density, Porosity8%-15% Mid density	1000m <sup>2</sup> -2000m <sup>2</sup> (12pcs/set)	30#,50#,100#,200#,400#	Dry use 1.Featuring high hardness,impact resistance, and wear resistance,it is designed for grinding porous and cracked concrete with low-to-medium density. 2.Using of grinding machine: Light grinding machine(50-150Kg) Mid grinding machine(150-350Kg) Heavy grinding machine(150-350Kg)
Adblack Series		3"&4" Porosity of floors: Porosity4%-8%High density, Porosity< 4%Extra high density	500m <sup>2</sup> -1000m <sup>2</sup> (12pcs/set)	800#,1500#,3000#	Dry use 1. Featuring a thin pad and high thermal conductivity, it is designed for hand grinder tool . 2.Using of grinding machine: Light grinding machine(50-150Kg) Mid grinding machine(150-350Kg) Heavy grinding machine(150-350Kg)
Adflash Series		3"&4" Porosity of floors: Porosity4%-8%High density, Porosity< 4%Extra high density,	500m <sup>2</sup> -1000m <sup>2</sup> (12pcs/set)	800#,1500#,3000#	Dry use 1. Featuring a thin pad and high thermal conductivity, it is designed for hand grinder tool. 2.Using of grinding machine: Light grinding machine(50-150Kg) Mid grinding machine(150-350Kg) Heavy grinding machine(150-350Kg)
Aurora Series		4"&5" 1.Mohs hardness of floors:5,6,7,8 2.Porosity of floors: Porosity>15% Low density, Porosity8%-15% Mid density, Porosity4%-8% High density, Porosity<4% Extra high density	/	30#,50#,100#,200#,400#,800#,1500#,3000#	Dry use 1.Featuring a thin profile and high thermal conductivity, it is designed for hand grinder tool. 2.Using of grinding machine: Hand grinder, Light grinding machine(50-150Kg)
Halo Series		1.Mohs hardness of floors:5,6,7,8 2.Porosity of floors: Porosity>15% Low density, Porosity8%-15% Mid density, Porosity4%-8% High density, Porosity<4% Extra high density	/	30#,50#,100#,200#,400#	Dry use 1. Featuring a thin profile and high thermal conductivity, it is designed for hand grinder tool 2.Using of grinding machine: Hand grinder
Cyclone Series		9"&11" 1.Mohs hardness of floors:5,6,7,8 2.Porosity of floors:	/	30#,50#,100#,200#,400#,800#,1500#	Dry use 1.Using linen animal hair pad as the base, the surface is coated with diamond,suitable for relatively flat concrete grinding and polishing,without producing fine grinding scratches.

		Porosity4%-8% High density, Porosity<4%Extra high density			2.Using of grinding machine: Light grinding machine(50-150Kg) Mid grinding machine(150-350Kg) Heavy grinding machine(150-350Kg)
Snow Series		3"&4" 1.Mohs hardness of floors:5,6,7,8 2.Porosity of floors: Porosity8%-15% Mid density, Porosity4%-8% High density, Porosity<4% Extra high density	400m <sup>2</sup> -1000m <sup>2</sup> ( 12pcs/set)	30#,50#,100#,200#, 400# ,800#,1500#, 3000#	1. Wet use+Dry use 2. Made of white material, suitable for polishing white inorganic terrazzo, epoxy terrazzo, quartz, and natural stone, leaving no stains on the floor. 3. 3" Using of grinding machine: Light grinding machine(50-150Kg), Mid grinding machine(150-350Kg), Heavy grinding machine(150-350Kg) 4" Using of grinding machine: Hand grinder, Light grinding machine(50-150Kg), Mid grinding machine(150-350Kg)
Hail Series		3"&4" 1.Mohs hardness of floors:5,6,7,8 2.Floors' water absorption : water absorption0.5%-1.5% limestone, water absorption0.2%-0.8% marble water absorption 0.1%-0.5% granite	400m <sup>2</sup> -1000m <sup>2</sup> ( 12pcs/set)	30#,50#,100#,200#, 400# ,800#,1500#, 3000#	1. Wet use+Dry use 2.Suitable for grinding and polishing stone surfaces,especially granite. Suitable for both wet and dry grinding. 3. 3" Using of grinding machine: Light grinding machine(50-150Kg), Mid grinding machine(150-350Kg), Heavy grinding machine(150-350Kg) 4" Using of grinding machine: Hand grinder, Light grinding machine(50-150Kg), Mid grinding machine(150-350Kg)
Frost Series		1.Mohs hardness of floors:5,6,7,8 2.Floors' water absorption : water absorption0.5%-1.5% limestone, water absorption0.2%-0.8% marble water absorption 0.1%-0.5% granite	200m <sup>2</sup> -900m <sup>2</sup> ( 12pcs/set)	30#,50#,100#,200#, 400# ,800#,1500#, 3000#	Wet use 1.Suitable for grinding and polishing marble floors, suitable for water grinding. 2.Using of grinding machine: Hand grinder, Light grinding machine(50-150Kg), Mid grinding machine(150-350Kg)
Dew Series		1.Mohs hardness of floors:5,6,7 2.Floors' water absorption : water absorption 1%-6% sandstone, water absorption0.5%-1.5% limestone, water absorption0.2%-0.8% marble	400m <sup>2</sup> -1000m <sup>2</sup> ( 12pcs/set)	30#,50#,100#,200#, 400# ,800#,1500#, 3000#	Wet use 1.Suitable for grinding and polishing soft stone, limestone,sandstone, and other materials. Suitable for water grinding. 2.Using of grinding machine: Hand grinder, Light grinding machine(50-150Kg), Mid grinding machine(150-350Kg)
Fog Series		1.Mohs hardness of floors:5,6,7 2.Floors' water absorption : water absorption 1%-6% sandstone, water absorption0.5%-1.5% limestone, water absorption0.2%-0.8% marble	400m <sup>2</sup> -1000m <sup>2</sup> ( 12pcs/set)	30#,50#,100#,200#, 400# ,800#,1500#, 3000#	Wet use 1.Suitable for grinding and polishing soft stone, limestone,sandstone. 2.Using of grinding machine: Hand grinder, Light grinding machine(50-150Kg), Mid grinding machine(150-350Kg)
<b>Note</b>	Size and Grit are customizable (Size:3" & 4", Grit Range: 30~3000#)				



**Hunter wolf**  
Diamond Tools Manufacturer

## OEM Design Process

### 1. Abrasive design



Common abrasives are divided into type I and type II diamonds, black diamonds, silicon carbide, white corundum, brown corundum, etc., with different performances. Diamonds have higher hardness, silicon carbide is more resistant to high temperatures, and brown corundum is cheaper.

### 2. Abrasive particle size



Reasonable particle size connection of pads in each step can achieve a win-win situation of improving the results and efficiency.

### 3. Self-sharpening



Harder bonds are suitable for concrete floors with lower hardness and looser and rougher surface. Softer bonds are suitable for concrete floors with higher hardness and denser surface.

### 4. Heat dissipation



Water grinding and polishing usually doesn't consider heat dissipation while dry grinding and polishing needs consider heat dissipation. Chemical heat dissipation is suitable for high dense ground, and physical heat conduction is suitable for ground with pores.

### 5. Appearance design



The appearance of a pad should be beautiful, the grinding teeth should be easy to dissipate heat, the discharge should be smooth, and the structure should be stable.



**HAUT&ZY**

## How to Choose Grinding&Polishing Pads

### 1. According to the hardness of aggregates.

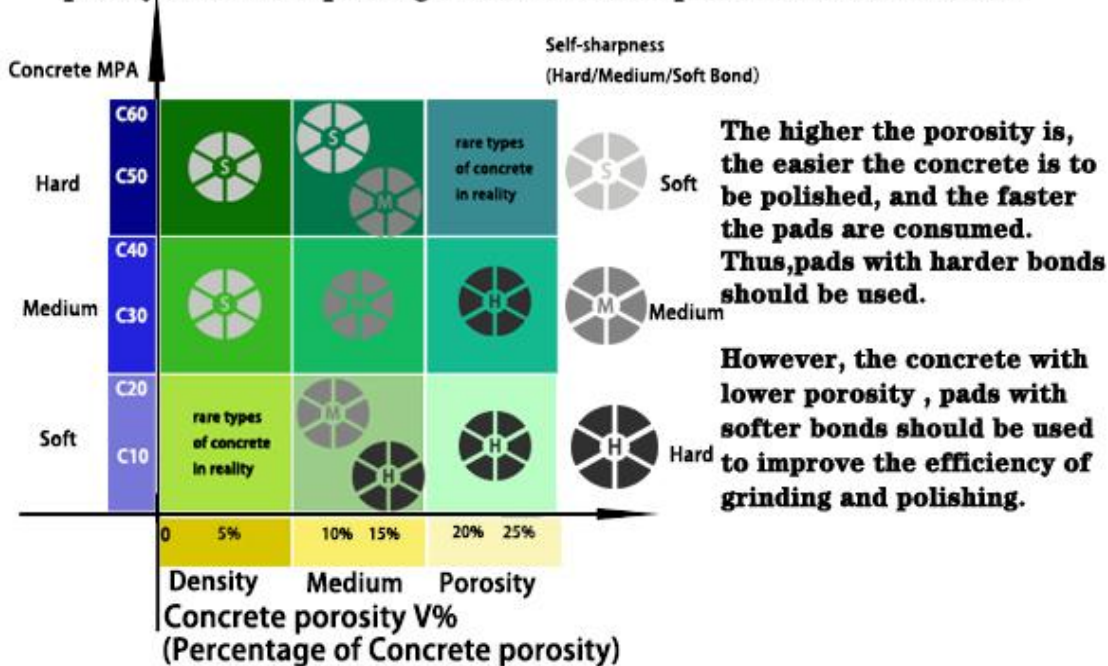
Sand and gravel accounting for 70% in concrete, are usually much harder than cement. Their hardness is crucial to consider the hardness of sand and gravel when selecting the pads.

Grinding disc abrasive	Nusselt hardness	Concrete aggregate	Nusselt hardness
Diamond	8000	granite	1600
Silicon carbide	2480	Quartz, sand	1100
Corundum	2100	limestone	600
		cement	500




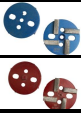







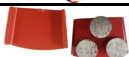


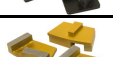








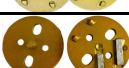

If the hardness of aggregates contained is harder such as granite or basalt, pads with diamond abrasives should be selected; if the hardness of aggregates contained is softer such as limestone or sedimentary rock, pads with inexpensive silicon carbide or corundum abrasives can be selected.

### 2. Determine the compressive strength and porosity of concrete and select the pads with suitable self-sharpness.

The compressive strength can be used to estimate the hardness of the cement after it is solidified. After the cement solidifies, there are usually cracks and pores side. The grinding and polishing performance is completely different depending on the number of pores inside the concrete.







# Metal Bond & PCD Tools

Category	No.	Picture	Description	Tip	Grit Range / #	
Metal Bond Tools	1		4-button (cone)	can be customized according to the grinders	30, 50, 80, 120, 150	
	2		4-button (column)			
	3		4-arrow			
	4		4-bar			
	5		2-button / arrow / bar	can be customized according to the grinders	30, 50, 80, 120	
	6		3-button / arrow			
	7		3-bar	two-hole, for light grinders		
	8					
	9		2-bar	for HTC		
	10		2-button			
	11		2-arrow			
	12		3-button			
	13		2-button	for Husqvarna		
	14		square, 2-bar			
	15		trapezoid, 2-bar			
	16		1-bar			
	17		2-bar	for Lavina		
	18		shark-teeth			
	19		2-button	for SASE		
	20		2-bar			
	21		2-button	for Newgrind		
	22		with shaft	for light grinders		
PCD Tools	23		6-seg	can be customized according to the grinders		/
	24		2-seg, 2-metal bond bar			
	25		trapezoid, 2-seg, 1-metal bond bar			

# Grinding Cup Wheels



Product Code	Picture	Size			
		Diameter	Head Height (mm)	No.of Heads	Central Hole
GC-01		5"-125mm	5.5	18	22.23mm/5/8"-11
		7"-180mm	5.5	22	22.23mm/5/8"-11
GC-02		5"-125mm	12	6	22.23mm/5/8"-11
		7"-180mm	12	8	22.23mm/5/8"-11
GC-03		5"-125mm	6/8	8/12/14	22.23mm/5/8"-11
		7"-180mm	6/8	12/16/24	22.23mm/5/8"-11
GC-04		5"-125mm	6.5	12	22.23mm/5/8"-11
		7"-180mm	6.5	20	22.23mm/5/8"-11
		10"-250mm	6.5	18	22.23mm/5/8"-11
GC-05		7"-180mm	8/10	3/6/9	22.23mm/5/8"-11
GC-06		10"-250mm	8/10	3/6/9	22.23mm/5/8"-11
GC-07		5"-125mm	7	12	22.23mm/5/8"-11
		7"-180mm	7	24	22.23mm/5/8"-11
GC-08		5"-125mm	6	9	22.23mm/5/8"-11
		7"-180mm	6	14	22.23mm/5/8"-11
GC-09		5"-125mm	6	9	22.23mm/5/8"-11
		7"-180mm	6	12	22.23mm/5/8"-11
GC-10		5"-125mm	6	7	22.23mm/5/8"-11
		7"-180mm	6	9	22.23mm/5/8"-11
GC-11		6"-150mm	10	7	22.23mm/5/8"-11
GC-13		6"-150mm	5	7	22.23mm/5/8"-11
		7"-180mm	5	8	22.23mm/5/8"-11
GC-14		5"-125mm	10	6	22.23mm/5/8"-11
		7"-180mm	10/15	6/12	22.23mm/5/8"-11
GC-15		5"-125mm	6.5	7	22.23mm/5/8"-11
		7"-180mm	6.5	10	22.23mm/5/8"-11

Product Code	Picture	Size			
		Diameter	Head Height (mm)	No.of Heads	Central Hole
GC-16		5"-125mm	6.5	6/7	22.23mm/5/8"-11
		7"-180mm	6.5	8/9	22.23mm/5/8"-11
GC-18		7"-180mm	10	6	22.23mm/5/8"-11
GC-19		5"-125mm	10/12	6/8/12	22.23mm/5/8"-11
		7"-180mm	10/12	6/8/12	22.23mm/5/8"-11
GC-20		5"-125mm	6	10	22.23mm/5/8"-11
		6"-150mm	6	11	22.23mm/5/8"-11
		7"-180mm	6	12	22.23mm/5/8"-11
<b>Note</b>	Size and Grit are customizable.				

# Ceramic Diamond Polishing Pads



No.	Picture	Description	Tip	Grit Range / #
1		3", 4", 5", 7"	can be customized according to the grinders	30, 50, 100, 200, 400, 800, 1500, 3000
5		Triangular ceramic pads	used for hand grinder	30, 50, 100, 200, 400, 800, 1500, 3000
7		special-shaped ceramic pads.	can be customized according to the grinders	30, 50, 100, 200, 400, 800, 1500, 3000