

## 鑽石砂布 / Diamond Foils



- 鑽石砂布是以銅箔為基材，電著上一層鑽石粉，鑽石磨料佈滿整個銅箔表面。其特色為有較長之工具壽命，可以用刀片自由裁剪成所需尺寸及形狀，然後黏貼在各種工具上，成為您所需的自製工具。其優異的切削效果及多種粒度可供選擇，適合各種模具、鎢鋼、硬陶瓷、石材、玻璃等之研磨及拋光。另一種運用為將之黏在機器零件上增加耐磨耗及防止打滑。

Diamond powders are fully sprayed on the surface of copper foil, this features in longer tool life. The diamond foils can be cut to any shape & size easily, and stick on to your own tools, thus allowing for a whole range of tailored tools.

Aggressive cutting action and wide range of grit sizes produce fast cutting or polishing on hard steels of any hardness、tungsten carbides、stones、glass and hard ceramics...etc.

Other application of diamond foils is to stick on parts of machine to increase the wear resistant and avoid the sliding.

尺寸 Dimensions	粒度與編號 / Grit size & Order no.								
	#120	#150	#200	#300	#400	#600	#800	#1200	#1800
10 x 100mm	XF-1012	XF-1015	XF-1020	XF-1030	XF-1040	XF-1060	XF-1080	XF-1120	XF-1180
50 x 100mm	XF-2012	XF-2015	XF-2020	XF-2030	XF-2040	XF-2060	XF-2080	XF-2120	XF-2180
100 x 100mm	XF-3012	XF-3015	XF-3020	XF-3030	XF-3040	XF-3060	XF-3080	XF-3120	XF-3180
200 x 200mm	XF-4012	XF-4015	XF-4020	XF-4030	XF-4040	XF-4060	XF-4080	XF-4120	XF-4180

說明：標準品全部將砂布背膠，只要撕下保護層即可使用。若特殊用途可指定無背膠砂布，自行用其他方式將砂布固著於所需之工具或零件上。

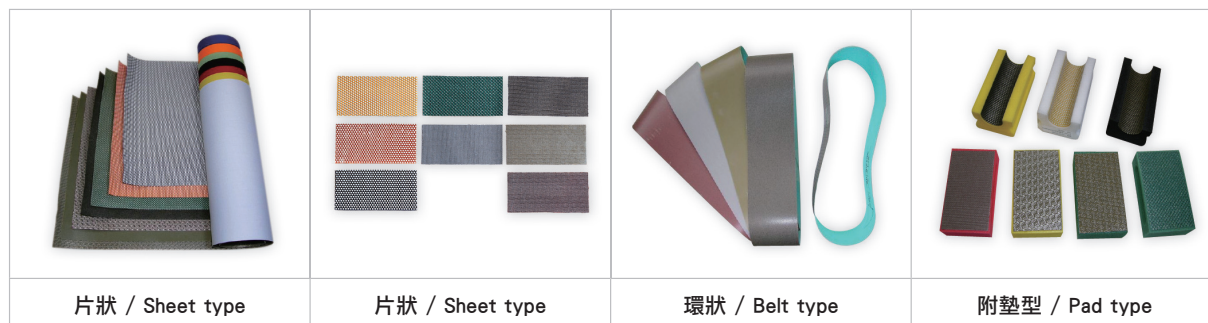
Remark : All standard foils come with PSA backing, when using, please remove the backing paper.  
The foils without PSA backing are also available on demand. For special applications, the users may use his own method to stick the foil on to the tools or parts.

### 鑽石砂布、網狀鑽石布之運用例：

#### Application Example of Diamond Foils & Diamond Cloth:



## 鑽石布 / Diamond Cloth



片狀 / Sheet type

片狀 / Sheet type

環狀 / Belt type

附墊型 / Pad type

The application of diamond power on a flexible cloth has allowed the development of a new generation of diamond tools.

This tools perform a more aggressive cutting action than any other abrasive tool, thanks to its flexibility and to the spacing between islands, the diamond cloth can be easily cut with scissors, thus allowing for a whole range of traditional abrasives only.

All diamond cloth products are color coded for easy identification of mesh and these series products can be in sheet, discs self-adhesive or velcro backing, or in belt type.

### Applications :

The applications of diamond cloth are:  
Wet grinding (lapping) harden steel of any hardness, tungsten carbide, hard ceramic coated steels, glass, hard ceramic, marble, granite and stone...etc, or for the lapping of mold and die.

鑽石布是將鑽石粉以電著法或樹脂結合法固著於帆布上,以前這種產品只有傳統砂布而已。

不同於傳統砂布的是,它有極佳的切削力,且在磨料與磨料間留有空隙作為研磨時逃屑用,因此研磨時不易塞目,且研磨後之工件表面非常均勻。

鑽石布可以用刀片或剪刀輕易地剪裁成所需要之尺寸,做成所需之工具。

鑽石布的粒度均以不同之顏色標示以資區別。它可為片狀亦可將之背膠作成環帶狀。

### 用途 :

鑽石布的運用很廣泛,例如:大理石,花崗石,等石材加工。任何硬度之硬質鋼材,碳化鎢,硬陶瓷披覆鋼材,硬陶瓷...等研磨,玻璃之倒角及磨邊,各種模具之研磨及拋光。

### 規格 / Specifications:

單位 / Unit : mm

粒度 Grit size	標示顏色 Color	結合劑 Bond Material	尺寸與編號 / Dimensions & Order No.			
			50 X 100	100 X 100	1,170 X 295	690 X 295
#60	綠色 / Green	鎳 / Ni bond	XZ-1006N	XZ-2006N	XZ-5006N	-
#120	黑色 / Black	鎳 / Ni bond	XZ-1012N	XZ-2012N	XZ-5012N	-
#200	紅色 / Red	鎳 / Ni bond	XZ-1020N	XZ-2020N	XZ-5020N	-
#400	黃色 / Yellow	鎳 / Ni bond	XZ-1040N	XZ-2040N	XZ-5040N	-
#600	白色 / White	鎳 / Ni bond	XZ-1060N	XZ-2060N	XZ-5060N	-
#1000	藍色 / Blue	鎳 / Ni bond	XZ-1100N	XZ-2100N	XZ-5100N	-
#500	白色 / White	樹脂 / Resin Bond	XZ-1050R	XZ-2050R	-	XZ-6050R
#1000	藍色 / Blue	樹脂 / Resin Bond	XZ-1100R	XZ-2100R	-	XZ-6100R
#8000	橙色 / Orange	樹脂 / Resin Bond	XZ-1800R	XZ-2800R	-	XZ-6800R

### 說明 / Remark :

- 標準尺寸 50 X 100mm 及 100 X 100mm 均有背膠,若不背膠請指明。
- 其他尺寸或形狀之鑽石布,請與我們業務人員聯絡。

- Standard 50 X 100mm and 100 X 100mm come with PSA backing, others come without PSA backing, please specify.
- Other size or type (shape), depend on your request.