



P100

Grit Size:
100
Paper Size: 130
GSM
Shape:
Rectangular
Width:
230mm
Height:
280mm
Processing Method:
Manual
For Processing: Wood,
Wall

P120

Grit Size:
100
Paper Size: 130
GSM
Shape:
Rectangular
Width:
230mm
Height:
280mm
Processing Method:
Manual
For Processing: Wood,
Wall

P240

Grit Size:
100
Paper Size: 130
GSM
Shape:
Rectangular
Width:
230mm
Height:
280mm
Processing Method:
Manual
For Processing: Wood,
Wall



Coated Abrasive Paper

Coated abrasive is a product that consists of a thin layer of abrasive grain attached to a substrate such as paper, cloth, etc. Coated abrasives come in a variety of forms such as sheets, discs, rolls, specialties, or belts.

Components of Coated Abrasives

Abrasive Grains

Coated abrasives are manufactured using abrasive grains; the most common are aluminum oxide, zirconium, ceramic, silicon carbide and garnet. The crude grains are crushed and separated into sizes, called grit sizes, using calibrated screens. Grits range from 12 (very coarse) to 1200 (very fine). Once the grains are separated into sizes, they are attached to a backing material using various bond techniques. Below are descriptions of the most common abrasive grains:

Ceramic:

A high performance, man-made abrasive material. Very uniform, high density grain structure is extremely durable and self-sharpening for longer life and cooler cut. Excels on tough to grind materials.

Aluminum Oxide:

A tough, blocky shaped, man-made grain used for high-speed grinding and finishing of metals, wood, and other high tensile strength materials without excessive fracturing or shedding. Wherever the ability to resist fracturing is the main consideration, aluminum oxide will outperform all other coated abrasive grains.

Zirconium:

A very fine, dense, man-made crystalline grain which can be used for aggressive stock removal. Zirconium is a very dense material with a unique self-sharpening characteristic which gives it long life on heavy stock removal operations.

Silicon Carbide:

A very hard, very sharp, man-made abrasive suited for non-ferrous materials and non-metallic materials such as concrete, marble and glass. A very friable grain, silicon carbide cuts faster under light pressure than any other grain used in coated abrasives.

Garnet:

Garnet is made of natural aluminum oxide which is

a relatively sharp, but very weak bonding structure. Very inconsistent when compared to synthetics. It is used primarily in woodworking as garnet dulls too quickly to be used in metalworking.

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Backing Materials (Substrates)

Below are the four major types of backing materials:

Paper

Specialized technical papers are used as substrates for coated abrasives. They are identified by letters representing weight and flexibility: "A" and "B" weights are light weight and highly flexible. "C", "D", "E", "F" weights are medium to heavy weight for more strength and less flexibility.

Cloth

Cloth backings are more durable than paper backings. There are several types of cloth backings: cotton (ie: Egyptian), polyester and polyester-cotton blends. Cloth backings are identified by weight and flexibility: "F" weight (J-Flex) is light and highly flexible. This lighter weight is suitable for cleaning, finishing, and polishing. "J" weight (Jeans) is highly flexible and suitable for cleaning, finishing, and polishing of contour surfaces. "X" weight (Drills) is medium to heavy weight for more strength and durability. It has low flexibility suitable for grinding, deburring and finishing. "H" (Heavy Duty) is a heavier weight than "X" weight. It has low flexibility and is suitable for heavy duty grinding and deburring applications. Excellent edge stability.

Fiber

Fiber backing is a tough vulcanized material made from rag stock. This backing is usually used for abrasive fiber discs.

Combination

Combination backing is laminated paper and cloth, and is very sturdy and shock resistant. Combination backings typically are used for a wide range of grits and mounting techniques.

Other Backing Materials

There are also a variety of other substrates such as nylon fiber or screens that can be coated for special applications. Non-woven nylon impregnated with abrasive grain is another substrate that can be used for cleaning, polishing, or blending.



Our Journey in Bangladesh

Grind Tech Ltd. was established on 1st October 2020 at Jaintapur, Sylhet, Bangladesh to manufacture, supply, distribute, marketing, sale and export of all types of Coated Abrasives Products and similar products including production of all types of sandpapers for polishing of wood, wall, floor, ceramics and steel. The inauguration of this industry will surely reduce imports of related products in Bangladesh.

Grind Tech Limited factory is built on a land of 1.43 acres. 104 people are currently associated with the factory. There are two dormitories. One dormitory is assigned for technical works and another one is assigned for officers.

Being the first coated abrasive roll manufacturing company in Bangladesh, Grind Tech Ltd. takes it up as its mission to produce the best-quality products using European technology and establish the trust & confidence in the market as import- substitute abrasive of our very own.

Grind Tech Ltd. has started its journey with the vision of making Bangladesh self-sufficient in terms of manufacturing abrasives. Being the pioneer in the sandpaper manufacturing market of Bangladesh, the company vows to satisfy the local demand and contribute to the economy of the country by exporting quality products abroad.

Moreover, The company's vision is to produce every kind of hardware items which are currently being imported from outside. The company wants to make the country and its people self-reliant and proud over products made in Bangladesh.

Upcoming Products:

The upcoming products of Grind Tech Limited are given below.

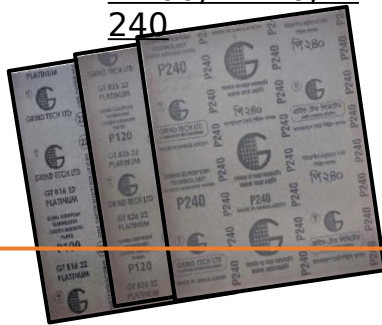
Jumbo Roll

1 Roll – 5000
Meter



WET

P 100, P 120, P
240



DRY PAPER

P 120 (Premium Quality)



Emery Paper

Size: - 0, 1, 1 ½, 2,



Velcro Disc

Size: - 5", 6",
7"

Abrasive Belt

Size: - From ¼" x 18" to 60" x 360"

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**"GRIND TO
SHINE"**