

PRECISION ABRASIVES



QUALITY ABRASIVES FOR PRECISION WORK

- /// Spiral Bands/Lap Bands
- /// Cross Pads/Square Pads
- /// Cartridge Rolls
- /// Body Cones
- /// Belts

- /// Discs (PSA, H&L)
- /// Quick Change Discs
- /// Flap Wheels
- /// Hand Sanding/Polishing
- /// Mandrels/Rubber Drums
& much more!

CONTACT US: 800-722-3967 | 716-826-5833 | sales@wesand.com

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ABRASIVE TYPES

ALUMINUM OXIDE – is a tough and durable man-made abrasive characterized by the long life and wear resistance of its cutting edges. It offers enormous penetrating strength, even at high speeds.

Applications: ferrous metals • hardwood • aluminum

CERAMIC – is a synthetic, white, abrasive grain formulated to withstand high pressure and extreme heat associated with grinding. Its crystalline structure continually provides self-sharpening grain for aggressive cut and stock removal.

Applications: Metalworking • Excels on grinding stainless steel, titanium and super alloys • Used for moderate and high-pressure applications • offhand, through feed and power assist applications

SILICON CARBIDE – is the hardest and sharpest of the manufactured abrasives. Because of its extreme sharpness, this bluish-black abrasive grain permits fast stock removal and cool cut.

Applications: non-ferrous metals i.e. brass, aluminum, and bronze • non metallics, i.e., glass, rubber, plastic, and stone • final finish on wood and stainless steel • abrasive planing particle board • cast iron • fiberglass

ZIRCONIA ALUMINA – is an ultra-tough synthetic abrasive, which provides a free, cool cut for high stock removal applications. It is tougher but sharper than aluminum oxide. It has a micro-crystalline structure which allows for controlled breakdown and self-sharpening. This bluish gray abrasive is available in coarse (24-120) grits only.

Applications: heavy duty snagging and grinding all ferrous and non-ferrous metals • abrasive planing of wood, plywood and particle board • grinding fiberglass, rubber and plastics

EMERY – is a dark gray round shaped grain which tends to polish rather than abrade a worksurface.

Application: for polishing and cleaning metal only

CROCUS – Iron Oxide is a very soft natural abrasive, which is red in color.

Application: for fine polishing soft metals such as gold.

COATING TYPES

OPEN COAT – refers to coating in which 50% to 75% of the backing is covered by abrasive grain. There are voids between particles of grain, which help reduce the effect of loading caused by sawdust or metal particles. Suitable for wood and plastic.

CLOSED COAT – refers to a coating in which the entire surface of the backing is covered with abrasive grain, with no voids between particles. This is by far the most general coating in use and permits the greatest degree of stock removal and longest product life. Suitable for metal and some hard woods.