



TRIZACT ABRASIVES

PSI Trizact abrasives, manufactured by the 3M Company, are used in the medium to fine grinding steps of most surface preparation. The information provided in this article is intended to offer information valuable in abrasive selection.



Trizact film, which consists of precisely shaped pyramids containing micron graded abrasive material bonded to specific backing. As the Trizact product is used, the tops of the pyramids wear away, continually exposing fresh abrasive material. This ensures a consistent cut rate during the life of the product.

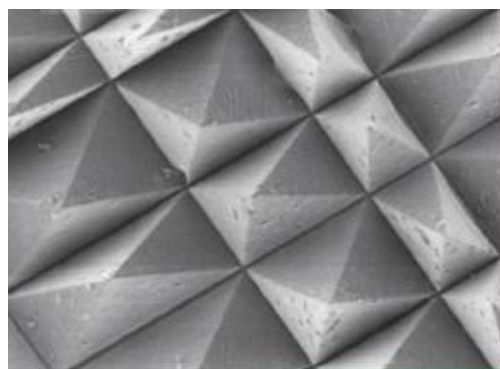
Users claim they can produce a completed surface finish in about half the time using Trizact, and that the product lasts 3 to 5 times longer than other types of abrasives. Trizact is used damp, with a light mist of water on the surface rather than a fully wet surface. A high gloss finish can be produced in five steps.

The three different abrasive minerals usually found are Diamond, Aluminum Oxide and inorganic particles. Diamond is the hardest and sharpest of the abrasive minerals. Its superior ability to penetrate and cut under light pressure makes diamond the most popular abrasive in the fiber optic and thermal spray coatings industries where tough and extremely hard materials are worked. Aluminum Oxide is an extremely tough, wedge shaped mineral which penetrates tough materials without excessive fracturing. Where life and economy in abrasive products is important, Aluminum Oxide can be used on high tensile materials such as carbon and alloy steel. The inorganic particles are capable of lapping soft materials.

PSI Trizact Abrasives can be ordered in the forms of belts, discs, and sheets. Belts consist of flexible cloth or waterproof backings. Discs and sheets

consist of a Pressure Sensitive Adhesive (PSA) backing.

PSI maintains an inventory of the popular Trizact abrasive consumable sizes and grits in the form of belts, discs, and sheets. Custom sizes are available upon request. Please contact the PSI Office to discuss your specific grinding and polishing requirements.



AVAILABLE GRADES			
Micron Size (Average)	ANSI (Grit)	FEPA (P-Grade)	COLOR
A3	1800	P3000	Orange
A5	1500	P2500	
A6	1400	P2000	
A10	1000	P1500	Blue
A16	600	P1200	Pink
A20	500	P1000	
A30	400		
A35		P600	Green
A45	320	P400	
A60		P320	
A65	240		
A80			
A85	220	P240	
A90		P220	
A100			
A110	180	P180	
A130	150	P150	
A160	120	P120	
A200	100	P100	
A300	80	P80	