

3M™ Trizact™ Cloth Belts

The unique microreplicated construction used in 3M™ Trizact™ Abrasives can deliver consistent, predictable finishes, higher, more even rates of cut, cooler grinding and finishing temperatures, and reduced processing steps. 3M invented microreplication technology, which is the science of creating small, precisely shaped three-dimensional structures and then reproducing them on a variety of surfaces.

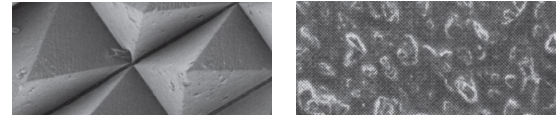
3M™ Trizact™ Belt Grading System

The unique construction of Trizact™ abrasives requires a different grading system. Grade is defined by the average particle size in microns and begins with an “A”.

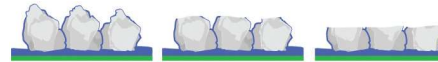
3M™ Trizact™ Abrasive Grading	
Trizact Abrasive Grade	FEPA (P-Grade)
A5	P3000
A6	P2000
A10	P1500
A16	—
A20	P1200
A30	—
A35	P600
A45	P400
	P320
A60	—
A65	—
	P240
A80	—
A90	P220
A100	—
A110	P180
A130	P150
A160	P120

The Difference is in the Construction

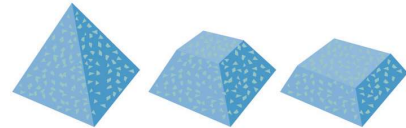
Trizact abrasives allow you to say “goodbye” to erratic, inconsistent finishes generated by conventional coated abrasives. Here’s why:



Three-dimensional structures uniformly distributed over the entire surface of 3M™ Trizact™ Abrasives (left) ensure consistent performance and eliminate belt-to-belt variation. Conventional abrasives (right), which feature randomly arranged minerals, wear and finish unevenly.



Conventional abrasives start out sharp, but they dull quickly.



3M™ Trizact™ Abrasives have three-dimensional structures containing multiple layers of abrasive mineral. As these pyramid-like structures wear, fresh, sharp mineral is exposed.

3M™ Trizact™ Belt Availability Guide

3M ID	Mineral	Backing	Description	Use Dry/Wet	A Grade																
					300	160	110	100	90	80	65	60	45	35	30	20	16	10	6	5	3
217EA*	Aluminum Oxide	Flex J wt	Low Pressure	Dry				•		•	•		•		•		•		•		
237AA*		Semi Flex X wt	Low-Med Pressure	Dry		•		•		•	•		•		•		•		•		
253FA		Stiff X wt	Low-Med Pressure	Wet				•		•	•		•		•		•		•		
305EA		Flex J wt	Fine Finishing	Dry																•	•
307EA*		Flex J wt	Low-Med Pressure	Dry				•		•	•		•		•		•		•		
327DC		Semi Flex X wt	Low Pressure	Dry	•	•		•			•		•		•						
337DC		Semi Flex X wt	Med Pressure	Dry	•	•		•			•		•		•						
347FC		Semi Flex X wt	High Pressure	Wet/Dry	•	•		•			•		•		•						
363FC		Stiff YF wt	Med-High Pressure	Wet	•	•		•			•		•	•							
407EA	Silicon Carbide	Flex J wt	Low-Med Pressure	Dry			•		•			•				•					
463FC		Stiff YF wt	Med-High Pressure	Wet									•			•		•	•		
953FA	Ceramic	Stiff YF wt	Med-High Pressure	Wet	•	•		•		•	•		•	•			•	•	•		

*Go-to product