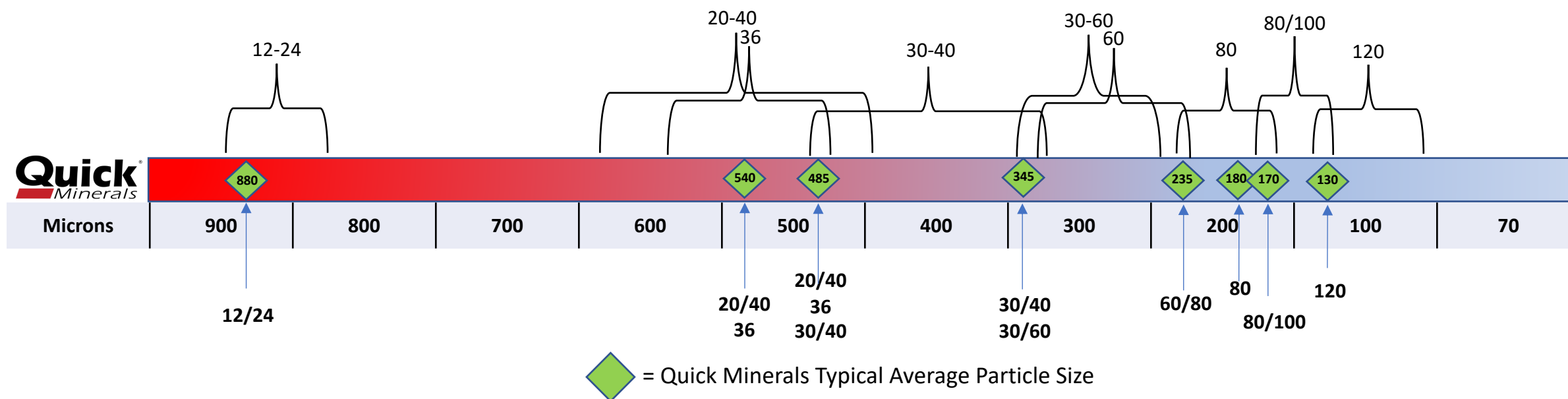




There are ***no*** industry standards when it comes to abrasive mesh sizes. Even two products with the same grade size from different suppliers can be very different in terms of their Average Particle Size. The best way to guarantee consistent results when comparing sizes is to look for products that have similar Average Particle Size (APS).

Below is an Average Particle Size spectrum. Typical, historical APS ranges found in the industry are shown for various grades. In recent years, this gradient has shifted significantly to the right for all sizes as the demand for coarse garnet has grown exponentially. Let us help you find the Quick Minerals off-set to your current product. Give us a copy of the sieve analysis of your current product, we'll do the rest.



Expected Profile (mils)								
Named Sizes:	880	540	485	345	235	180	170	130
Low:	4.5	4.0	3.6	3.0	2.6	2.2	1.8	0.8
High:	5.0	4.6	4.0	3.4	3.0	2.6	2.2	1.2



Quick Minerals Grades

Mesh Size:	12/24	20/40 36	20/40 36 30/40	30/40 30/60	60/80	80	80/100	120
Grades	QMA		QMA	QMA		QMA		
	QMAX		QMAX	QMAX		QMAX		QMAX
		QMB		QMB		QMB		
			QMX	QMX	QMX		QMX	QMX
Microns:	880	540	485	345	235	180	170	130

Taking the (Typical) Average Particle Size (APS) of all the grades (QMA, QMAX, QMB, QMX), I looked for groupings, and then assigned the groupings a named size. The named groups “approximate” the typical APS of the grade.

The grades names that seemed “representative” of the various grades are: 880, 540, 485, 345, 235, 180, 170, and 130. (See table below.)

What this does is focuses the sales conversation on key issues: garnet type (QMA, QMAX, QMB, QMX) and average particle size (APS). So we can avoid the practice of “checking a box” because it matches the customer’s requirements. None of the major garnet companies can support meeting any specification based on a grade size printed on a bag. The spec writer is interested in outcomes (profile, substrate cleanliness, etc.), not the name on the bag. If we match all the physical properties (density, hardness, PSD, etc.), we will deliver the desired results.

Quick Minerals Grading										
Mesh Size:	12/24	20/40	36	30/40	30/60	60/80	80		100	120
QMA	895	489			342		178			
Name	880	485			345		180			
QMAX	875		481		348		174			126
Name	880		485		345		180			130
QMB		539			354		186			
Name		540			345		180			
QMX				490	320	240			169	124
Name				485	345	235			170	130