

# Silicon Carbide Abrasive Paper Product Specifications

*Where Quality Meets Value*

**Certification Signature:**

**Donald Zipperian, Ph.D.**

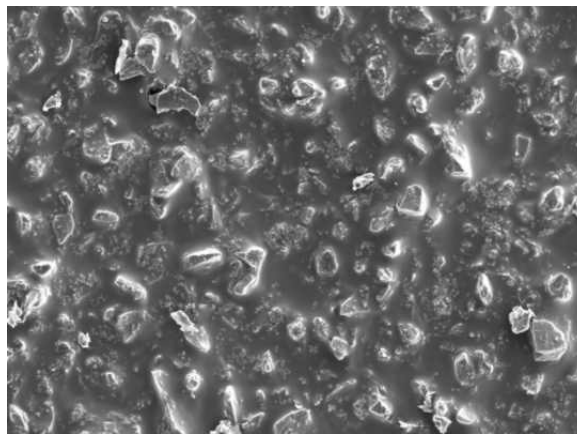
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**Certification Date:**

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Standard grit	European (P-grade)	Median Diameter (microns)	Surface Roughness on Steel, Rc 30 (Ra -nm)
60	60	250	-
80	80	180	1140
120	120	106	1050
180	180	75	880
220	220	63	300
320	P360	40.5	230
400	P600	25.8	120
600	P1200	15.3	110
800	P2400	6.5	25
1200	P4000	2.5	20

Pace Technologies certifies that its SiC abrasive papers are graded according to the standard grit size classification system. Also included in the above chart is the cross reference to the European grading systems as well as the surface roughness obtained when grinding a Rc 30 steel. Below is an SEM photograph of a 600 grit SiC paper.



SEM micrograph of 600 grit SiC  
Abrasive Paper (original mag. 150x)

**PACE TECHNOLOGIES**

PACE Technologies  
3601 E. 34th St.  
Tucson, AZ 85713  
[www.metallographic.com](http://www.metallographic.com)

Phone: 520-882-6598

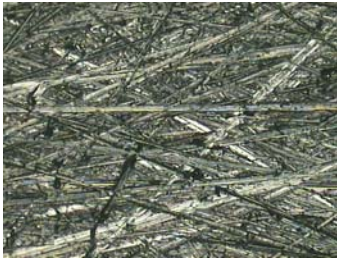
Fax: 520-882-6599

Email: [Pace@metallographic.com](mailto:Pace@metallographic.com)

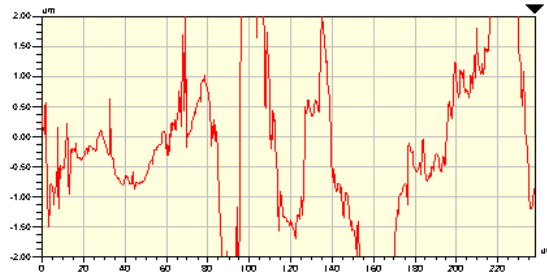
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**Premium SIC Abrasive Surface Finish and Surface Roughness for hardened steel (Original Magnification 50x)**

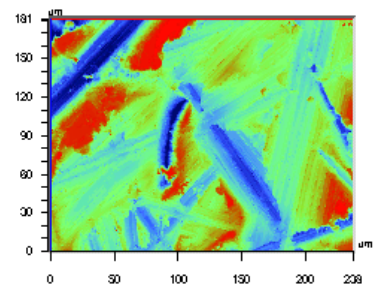
**60 grit Premium SIC**



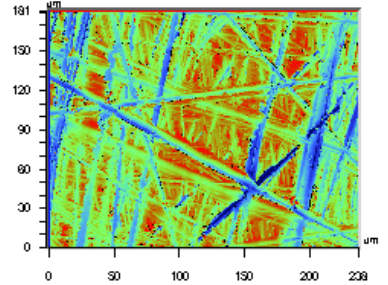
**2-dimensional line profile**



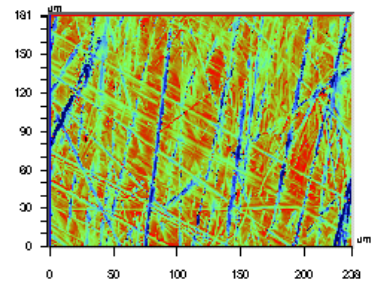
**3-D optical contour mapping**



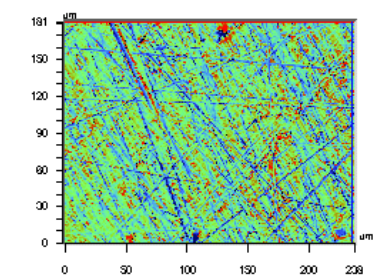
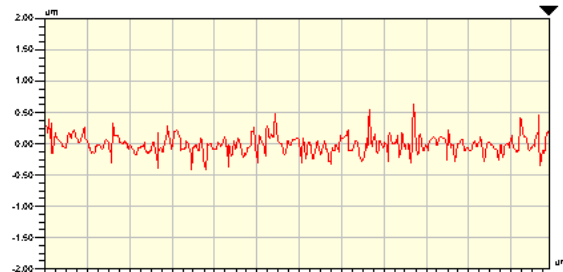
**240 grit Premium SIC**



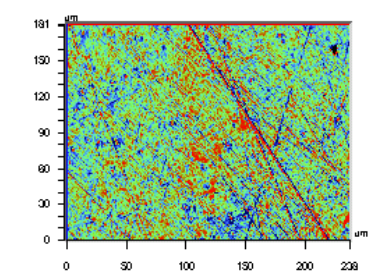
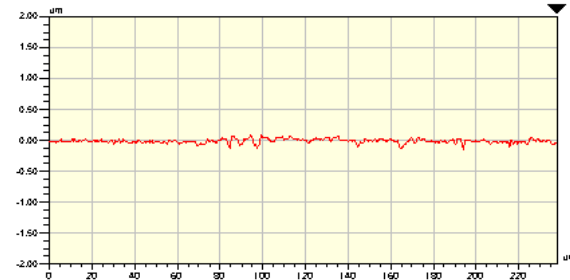
**400 grit Premium SIC**



**600 grit Premium SIC**



**1200 grit Premium SIC**



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