Lapping the Micro-Fine Ceramics

Posted by wickededge - 19 Jul 2012 19:08

Cliff Stamp has posted elsewhere that these stones definitely benefit from lapping. Today I worked on my set and it made a huge difference. You can easily use the diamond stones in your set to lap your ceramics and depending on which grit you use to finish, you can dramatically alter the way the stone performs. My coarse Micro-Fine stones were more coarse than I wanted at the moment, so I took them all the way up to the 1000# diamonds, progressing from the 100# stones up the line. I also have a 3um diamond bench stone that I used to finish and the coarse Micro-Fines were like a whole different set of stones. I can see where there might be times when I want to add a little texture back to them to give certain knives a little bite, so I'll experiment with lapping on different grit stones and see what comes of it.

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Re: Lapping the Micro-Fine Ceramics

Posted by xuzme720 - 22 Nov 2012 10:31

I know this is a somewhat older post but I was wondering if the lapping was just for initial usage and getting the aggressiveness of the ceramics right or if they will need to be flattened like natural stones do?

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Re: Lapping the Micro-Fine Ceramics

Posted by cbwx34 - 22 Nov 2012 13:01

It's mostly the initial usage and to get the aggressiveness right.

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Re: Lapping the Micro-Fine Ceramics

Posted by PhilipPasteur - 22 Nov 2012 14:52

What Curtis said... the ceramic stones are VERY hard. I was suprised and how much I had to work them on a coarse diamond plate to see any difference at all. They should do many , many knives before you would have any dishing.

If you meaure them with a traight edge, and they need flattening, be prepared for some hard work.

BTW, I tried the crosshatching trick to indicate when the stone is flat with a permananet marker. Apparently it penetrates the ceramic.. I never have been able to get it out of the one stone. If you are going to do this, use a pencil...

Phil

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Re: Lapping the Micro-Fine Ceramics
Posted by xuzme720 - 22 Nov 2012 22:18

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Thanks guys!

I was actually wondering if it was just my imagination since my course ultra-fine seemed to be courser than the 1600 stones. I'll try lapping them on my DMT extra fine unless you guys think something courser is necessary.

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Re: Lapping the Micro-Fine Ceramics
Posted by PhilipPasteur - 23 Nov 2012 02:31

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"*My coarse Micro-Fine stones were more coarse than I wanted at the moment, so I took them all the way up to the 1000# diamonds, progressing from the 100# stones up the line. I also have a 3um diamond bench stone that I used to finish and the coarse Micro-Fines were like a whole different set of stones. "*

Is what Clay said that he did... in the first post in this thread...

I used the DMT coarse, then DMT fine plates. It seems to me that this put the stone in the corrct sequence with the Other ceramics. It looks that way in the photos I took as well.

I think that if you just use the DMT extra fine plate, you will have to work the stones for quite awhile to make a significant change. You can always try and see how they work on steel.

Phil

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Re: Lapping the Micro-Fine Ceramics
Posted by xuzme720 - 25 Nov 2012 00:25

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PhilipPasteur wrote:

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the way up to the 1000# diamonds, progressing from the 100# stones up the line. I also have a 3um diamond bench stone that I used to finish and the coarse Micro-Fines were like a whole different set of stones. "

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PhilI have all of those (course and fine are a double sided) so I will start with the course and run the gamut checking them after the fine and if needed go on to the extra fine.

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Re: Lapping the Micro-Fine Ceramics
Posted by mark76 - 30 Nov 2012 13:10

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have all of those (course and fine are a double sided) so I will start with the course and run the gamut checking them after the fine and if needed go on to the extra fine.

Dunno what a gamut check is, but sounds interesting...

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Re: Lapping the Micro-Fine Ceramics
Posted by Buford T Justice - 30 Nov 2012 14:06

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Gamut: an entire range or series

It's not a gamut check. He means he will go through all of the stones, then check the results.

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Re: Lapping the Micro-Fine Ceramics
Posted by xuzme720 - 01 Dec 2012 11:29

Thank you, sir! That is precisely what I meant.

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Re: Lapping the Micro-Fine Ceramics

Posted by Billabong - 04 Dec 2012 00:41

My crazy logic here, but I wonder if having two sets of micro-fines that are manipulated to replace/remove the 1200/1600 role in a progression is possible?

The first stone being "as it comes" on the coarse side and made coarser on the fine side. (not sure)

The second being "lapped finer" on the coarse side and standard on the fine. (possible)

Can we make the fine ceramic coarser with lapping?

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