

POLISHING RANGE

Solution for finish polishing minerals after grinding with PE128.

OBJECTIVE: obtain a polished surface with no visible scratches at 500x and a thickness of between 15 and 10 µ.

MACHINE: MASTERLAM 3.0 GEOLOGICAL - Ø 300 mm

Speed rpm: 60
 Paste Bio DIAMANT® 6-LTP + NEODIA® 6P
 TOUCHLAM® 2TS3

Speed rpm: 60
 Paste Bio DIAMANT® 6-LTP + NEODIA® 3P
 TOUCHLAM® 2TS3

Speed rpm: 60
 Paste Bio DIAMANT® 1-LTM + NEODIA® 1M
 TOUCHLAM® 3SE2

Speed rpm: 60
 Paste Bio DIAMANT® 1/4-LTM + NEODIA® 1/4P
 TOUCHLAM® 3SA2

Speed rpm: 60
 FINAL liquid
 TOUCHLAM® 4MP2

THICKNESS SETTING FOR THIN SHEETS

For the preparation of mineralogical samples, the first step is to calibrate the thin slides themselves, so that the reference thickness of each support is identical.

PREPARATION

OBJECTIVE: Thickness calibration of thin glass slides before use.
 Tolerance 3 to 6 µ.

EQUIPMENT USED:

MACHINE: **M.M.9400**
 ABRASIVE DISTRIBUTION: **DOSING UNIT 710**
 SUPPORT: GROOVED **CAST-IRON PLATE**
 SAMPLE HOLDER: **PE128**

ABRASIVE: BIOLAM PLUS SiC

Abrasive: BIOLAM PLUS SiC F500 (13µm)
 + 50% water

- 1 Distribution: 1 second every 2 seconds
 Rotation speed: 40 rpm
 Stock removal: 10 µ/min

Abrasive: BIOLAM PLUS SiC F600
 + 50% water

- 2 Distribution: 1 second every 2 seconds
 Rotation speed: 40 rpm

Abrasive: BIOLAM PLUS SiC F1200
 + 50% d'eau

- 3 Distribution: 1 second every 2 seconds
 Rotation speed: 40 rpm

