

Akasel Method Sheet

Preparation method for Coal

April 2023



1



Rhaco
Grit 320



Water



300 rpm



20 N



Until plane



2



Largan 9



DiaUltra
9 µm



150 rpm



30 N



4:00 min



3



Daran



DiaUltra
3 µm



150 rpm



25 N



3:00 min



4



Chemal



Colloidal
Silica 50 nm
Alkaline**



150 rpm



20 N



2:00 min



Times are stated for a 300 mm preparation system and 40 mm dia. samples. On a 250 mm system the times should be increased by 30%, on a 200 mm system by 100%.

With larger samples the force should be increased, with smaller samples decreased.

Time and Force may vary depending on the equipment.

** Water should be flushed onto the polishing cloth for the last 10 sec for cleaning of the samples as well as the polishing cloth.*