

# Akasel Method Sheet

## Preparation method for soft Coal

April 2023



1



Rhaco Grit  
P 320



Water



300 rpm



20 N



Until plane



2



Rhaco Grit  
P 500



Water



150 rpm



20 N



1:00 min



3



Rhaco Grit  
P 1200



Water



150 rpm



20 N



1:00 min



4



Rhaco Grit  
P 4000



Water



150 rpm



20 N



2:00 min



5



Daran



DiaUltra  
3 µm



150 rpm



25 N



3:00 min



6



Chemal



Fumed Silica  
0.2 µm  
Alkaline



150 rpm



15 N



21:00 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.