

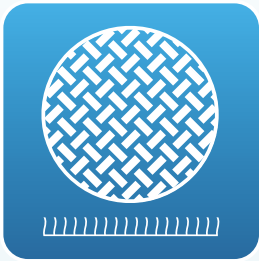
Polishing Cloths

– THE SMARTER ALTERNATIVE
FOR DIAMOND AND OXIDE POLISHING

SELECTION GUIDE

Polishing cloths for all
applications in metallographic
fine grinding and polishing

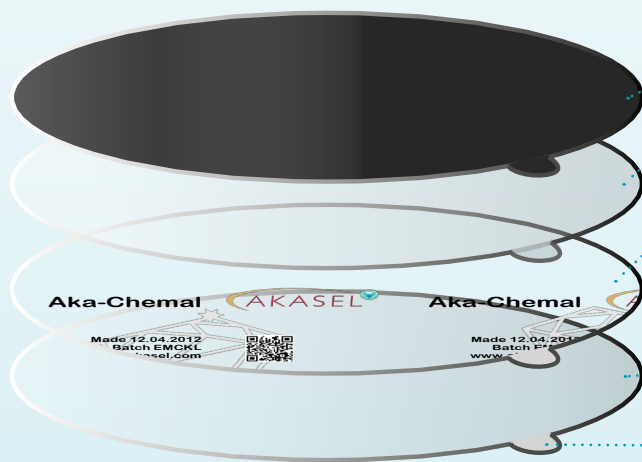




Akasel polishing cloths are developed and manufactured to provide the best possible performance for metallographic sample preparation. Two versions are available:

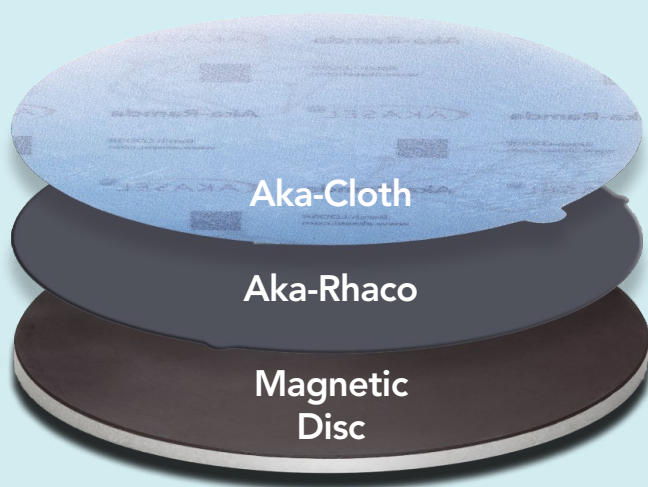
- Self-adhesive cloths to be glued onto an aluminium support disc.
- The Mag-type polishing cloths to be placed directly on a magnetic support disc.

The Akasel polishing cloths have a unique composition:



- Selected textile for optimum performance
- Water, ethanol and oil resistant polymer barrier
- Transparent, PSA backed foil with low tack for good adhesion to and easy removal from the preparation disc, with printed batch information for easy identification and QR code for additional info
- Transparent liner with easy adhesion to Aka-Rhaco
- Tab for easy removal

The Mag-type polishing cloths for use on magnetic support discs are based on the cloths above, laminated on steel discs. The steel discs are equipped with 3 tabs for easy removal.



The self-adhesive cloths can also be used with the unique Aka-Rhaco.

Aka-Rhaco is a thin steel disc with a soft, sticky polymer coating. Without removing the liner, the cloth can be attached to an Aka-Rhaco disc, and when worn, the cloth can easily be removed again. It is thus identical to a magnetic cloth, but at a lower price, as the Aka-Rhaco can be used over and over again. Furthermore, the environmental impact is considerable as only a fraction of steel discs have to be disposed of. With Aka-Rhaco and a self-adhesive cloth, you have all the advantages of a magnetic cloth and at the same time a cost-effective and environmentally friendly solution.

**THE SMARTER
ALTERNATIVE**

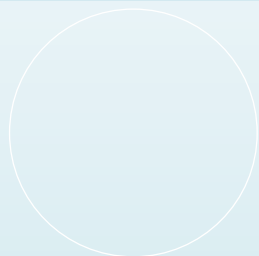
MADE IN DENMARK

APPLICATION OVERVIEW

	Cloth material	Fine grinding	Polishing	Final polishing	Application
Plaran	Woven Nylon	15 - 6 μm	3 μm	÷	Fine grinding of soft metals, polishing of hard materials
Paran-S	Non-woven Polyester	15 - 3 μm	6 - 1 μm	÷	Fine grinding of soft metals, polishing of hard materials
Silk	100% Woven Silk	9 μm	6 - 1 μm	1 - 0.25 μm Oxide polishing	Fine grinding of ferrous metals, polishing and final polishing of harder materials and coatings
Ramda	Woven Acetate	÷	3 - 1 μm	1 μm	Polishing of all materials. Harder than Daran
Daran	Woven Acetate	÷	6 - 1 μm	1 - 0.25 μm Oxide polishing	Polishing of all materials. Softer than Ramda
Moran-U	100% Woven Wool	÷	6 - 3 μm	1 μm	Polishing and final polishing of non-ferrous and ferrous metals
Moran	100% Woven Wool	÷	6 - 3 μm	÷	Polishing of non-ferrous and ferrous metals
Plural	Flocked Viscose	÷	3 - 1 μm	÷	Fast, one-step polishing of steels, sintered carbides and other hard materials. Polishing of unmounted samples
Napal	Flocked Viscose	÷	÷	1- 0.025 μm Oxide polishing	Final polishing of all materials
Chemal	Synthetic Foam	÷	÷	Oxide polishing	Chemical/mechanical final polishing of all materials

Useful tips:

- To eliminate the run-in time of a new polishing cloth use a diamond stick to prime the polishing cloth.
- For the shortest polishing times and the best results use the high concentration 2-in-1 diamond suspension DiaUltra.
- When preparing water sensitive materials use Aka-Poly WF together with Aka-Lube Clear WF.



Plaran
Woven Nylon
15 - 3 μm



Paran-S
Non-woven
Polyester
15 - 1 μm



Silk
Woven Silk
9 - 0.25 μm
Oxide polishing



Ramda
Woven Acetate
3 - 1 μm



Daran
Woven Acetate
6 - 0.25 μm
Oxide polishing



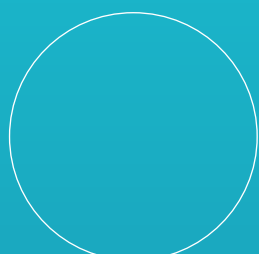
Moran-U
Woven Wool
6 - 1 μm



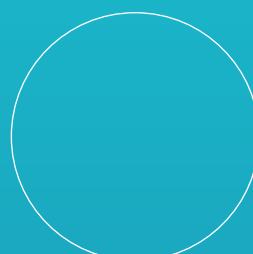
Moran
Woven Wool
6 - 3 μm



Plural
Flocked Viscose
3 - 1 μm



Napal
Flocked Viscose
1 - 0.025 μm
Oxide polishing



Chemal
Synthetic Foam
Oxide polishing



32



200



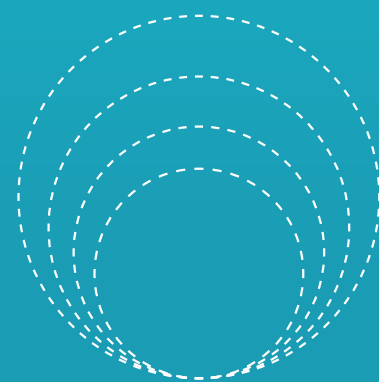
250



300



350



up to 1250 mm

**THE SMARTER
ALTERNATIVE**

MADE IN DENMARK - 65410102

WWW.AKASEL.COM