

## G2 Micro-Mesh® Cushioned Abrasives

### An Ultra Fine Polishing Material for:

- MS & SEM Source Cleaning
- Polishing MS Probes & Quadrupoles
- Polishing and Cleaning Metals, Plastics and Painted Surfaces
- Polishing Stainless Steel, Copper, and Aluminum

### Micro-Mesh® Cushioned Abrasives

Cushioned abrasives are made in such a manner that the crystals are held in a resilient matrix as opposed to a hard resin, which will allow the crystal to recede when subjected to contact pressure.

In the case of Micro-Mesh products, there is a cloth backing upon which a Latex film is placed. Then various sizes of silicon carbide crystals are adhered onto the film.

What is unique about cushioned abrasives is that they do not give any random deep scratches. Instead, they produce an extremely uniform scratch pattern over the entire work surface. Cushioned abrasive products like Micro-Mesh have an extremely long life since the crystals are not subject to fracture or overheating. The crystals continue to cut effectively until they eventually become dull and lose their cutting edge.

### Micro-Mesh Sheets - 3" Wide x 6" Long

Part No.	Description
MM-15003	3" x 6" sheet, 1500 Grit
MM-18003	3" x 6" sheet, 1800 Grit
MM-24003	3" x 6" sheet, 2400 Grit
MM-32003	3" x 6" sheet, 3200 Grit
MM-36003	3" x 6" sheet, 3600 Grit
MM-40003	3" x 6" sheet, 4000 Grit
MM-60003	3" x 6" sheet, 6000 Grit
MM-80003	3" x 6" sheet, 8000 Grit
MM-120003	3" x 6" sheet, 12000 Grit

### Micro-Mesh Sheets - 4" Wide x 6" Long

Part No.	Description
MM-1500	4" x 6" sheet, 1500 Grit
MM-1800	4" x 6" sheet, 1800 Grit
MM-2400	4" x 6" sheet, 2400 Grit
MM-3200	4" x 6" sheet, 3200 Grit
MM-3600	4" x 6" sheet, 3600 Grit
MM-4000	4" x 6" sheet, 4000 Grit
MM-6000	4" x 6" sheet, 6000 Grit
MM-8000	4" x 6" sheet, 8000 Grit
MM-12000	4" x 6" sheet, 12000 Grit
MMB	Polishing/File board



### Use Wet or Dry

Micro-Mesh may be used wet or dry and after you're done, it can be washed out and used again. Every sheet is color coded and has the grit written on its reverse side - the higher the grit number, the finer the cutting action. The variety of grits permit the restoration of most surfaces to a mirror finish.

Micro-Mesh produces finishes 10 times to 20 times finer than ordinary sandpaper. Applications in our shop at SIS include cleaning and polishing sources, probes, filaments, and quadrupole rods. The finer meshes are ideal for cleaning and trimming source slits. By beginning with the coarser grits (1500-2400) and successively polishing with the finer grits (3200-12000) we have produced mirror finishes on MS direct probes. The finer grits, (Kit #MMK-3), are ideal for cleaning mass spec sources such as the Agilent MSD and 5973/75 Sources. These fine grits clean and polish the sources to a mirror finish with minimal removal of metal surface material.

### Micro-Mesh Polishing / File Boards

These polishing boards are ideal for getting into tight spaces, cleaning quadrupole rods, or for use in any other place where a stiff backing is preferable (They even make great emory boards!). They are used just like the Micro-Mesh sheets, starting with the coarsest area of the board and working to the finest area.

### Micro-Mesh® Polishing Kits

Part No.	Description
MMK-1	Kit of all 9 grits and one polishing board
MMK-2	8 Finer grits (1800 - 12000)
MMK-3	4 finest grits (4000 - 12000)
MMK-4	4 coarsest grits (1500 - 3200)
MMK-5	Kit of all 9 grits, 12" x 12" sheets
MMK-6	Kit of all 9 grits, 6" x 12" sheets
MMK-7	Kit of all 9 grits, 3" x 6" sheets