

Abrasive Selection Guide

Material (**= For use in Recycling Equipment)	Mesh or Grit	Bulk Density	Mohs Hardness	Friability	Pressure Range*	Mil Profile	# Cycles	Approx. Cost Per Cycle	Applications
Aluminum Oxide**	16 Grit	115	9.0	med.	60-100	4-6 mils	6-8	10¢	Heavy Paint Removal Prior to Repainting
"	36 Grit	"	"	"	"	3-5 mils	"	10¢	Medium Paint Removal Prior to Repainting
"	60 Grit	"	"	"	"	1-3 mils	"	10¢	Medium Etch Prior to Recoating
"	120 Grit	"	"	"	"	1-2 mils	"	10¢	Light Etch Prior to Recoating
"	180 Grit	"	"	"	"	1 mil	"	10¢	Very Light Etch Prior to Plating
Bauxite Beads**	30/70 Mesh	115	9.0	med.	60-100	N/A	6-8	13¢	Etching of Granite
Ceramic Beads**	20/40 Mesh	150	9.0	low	60-100	N/A	10-50	20¢	Heavy Peening
"	40/60 Mesh	"	"	"	"	N/A	"	20¢	Medium Peening
"	60/100 Mesh	"	"	"	"	N/A	"	20¢	Light Peening
"	100/170 Mesh	"	"	"	"	N/A	"	20¢	Extra Light Peening
Coal Slag	12/30 Mesh	100	7.0	high	80-150	4-6	1-2	8¢	Heavy Paint Removal Prior to Repainting
"	12-40 Mesh	"	"	"	"	3-4	"	8¢	Medium Paint Removal Prior to Repainting
"	20-40 Mesh	"	"	"	"	2-4	"	8¢	Medium Paint Removal Prior to Repainting
"	30-60 Mesh	"	"	"	"	2-3	"	8¢	Light Paint Removal Prior to Recoating
"	40-80 Mesh	"	"	"	"	2-3	"	8¢	Extra Light Paint Removal or New Steel Prior to Recoating
Corn Cob	10-14 Mesh	30	4.5	High	60-150	N/A	1	25¢	Removing oil or light coatings from delicate surfaces
"	14-20 Mesh	"	"	"	"	N/A	"	25¢	Removing oil or light coatings from delicate surfaces
"	20-40 mesh	"	"	"	"	N/A	"	25¢	Removing oil or surface oxidation from delicate surfaces
Garnet**	#16 Grit	150	6.5	med.	60-120	4-6 Mils	3-4	8.5¢	Heavy Paint Removal Prior to Repainting
"	#36 Grit	"	"	"	"	3-4 Mils	"	8.5¢	Medium Paint Removal Prior to Repainting
"	#30 X 60 Mesh	"	"	"	"	2-4 Mils	"	8.5¢	Medium Paint Removal Prior to Repainting
"	#80 Mesh	"	"	"	"	1-3 Mils	"	8.5¢	Light Paint Removal Prior to Recoating
Glass Beads**	40-50 Mesh	100	5.5	med.	40-80	N/A	4-6	12.5¢	Cleaning, peening, finishing
"	60-100 Mesh	"	"	"	"	N/A	"	12.5¢	Cleaning, peening, finishing
"	100-170 Mesh	"	"	"	"	N/A	"	12.5¢	Cleaning, peening, finishing
"	170-325 Mesh	"	"	"	"	N/A	"	12.5¢	Cleaning, peening, finishing
Crushed Glass	10-20 Mesh	100	5.5	high	80-150	4-6 Mils	1	14¢	Heavy Paint Removal Prior to Repainting
"	20-30 Mesh	"	"	"	"	3-4 Mils	"	14¢	Medium Paint Removal Prior to Repainting
"	30-60 Mesh	"	"	"	"	2-3 Mils	"	14¢	Light Paint Removal Prior to Recoating
Plastic Grit**	12/16 Mesh	50	3.5	medium	20-50	N/A	4-6	32¢	Paint stripping, deflashing, cleaning
"	16-20 Mesh	"	"	"	"	N/A	"	32¢	Light stripping, deflashing, cleaning
Silicon Carbide**	8-1200#	110	9.5	med	60-100	Various	2-4	50¢	Surface prep on hard surfaces
Sodium Bicarbonate	30-80 Mesh	60	2.5	high	50-150	N/A	1	50¢	Cleaning, paint removal
Starblast	30/140	125	6.5	med	100-150	1-3 Mils	1-2	13¢	New Steel Preparation For Painting
Steel Grit**	G-25	230	8.0	Low	80-150	4-6 Mils	10-25	4¢	Heavy Paint Removal Prior to Repainting
"	G-40	"	"	"	"	2-4 Mils	"	4¢	Medium Paint Removal Prior to Repainting
"	G-80	"	"	"	"	1-2 Mils	"	4¢	Light Paint Removal Prior to Recoating
Steel Shot	S-330	280	8.0	Low	N/A	N/A	25-50	2¢	Heavy Peening
"	S-230	Mainly For Use in Wheel Equipment				N/A		2¢	Medium Peening
"	S-110	280	8.0	Low	N/A	N/A	"	2¢	Light Peening
Walnut Shell	12-40 Mesh	40	3.5	high	60-100	N/A	1	50¢	Cleaning, paint removal

*psi (Direct Pressure, not Suction)