

# Selecting Abrasives

Common Abrasives and Sizes based on 95 PSI with blast nozzle approx. 20" from mild steel surface

Abrasive Media & Bulk Density	Abrasive size recommended to achieve the following profile depth in mils. (1/1000 of an inch)							
	.5 mil	1 mil	1.5 mil	2 mil	2.5 mil	3 mil	3.5 mil	4 mil +
Glass Grit	50/100	30/50	20/40	16/30	12/40 12/50	12/20	8/12	12/50
Garnet Abrasive: 147 lbs./cu.ft.	100	80	60	30 40	36	24	20	16
Coal Slag: 86 lbs./cu.ft.	-----	50/100	-----	30/60	20/40	16/30	12/40	12/20
Copper/Nickel Slag: 112 lbs./cu.ft.	-----	70/100	60/80	40/80	30/60	20/40	16/30	16/30
Aluminum Oxide: 120 lbs./cu.ft.	100 120 180 220	80	54	36	30	24	20	16 12
Silicon Carbide: 106 lbs./cu.ft.	150	100	80	54	40	36	30	24
Steel Grit: 250 lbs./cu.ft.	200	120	80	50	40	25	18	16 14
Walnut Shells: 45 lbs./cu.ft.	20/40	12/20 8/12	Walnut shells are typically used for deburring or cleaning. * NOT FOR ACHIEVING PROFILE.					
Corn Cob Grit: 37 lbs./cu.ft.	20/40 14/20 8/12	Corn cob grit is typically used on delicate surfaces – motors, bricks, stone, wood, etc. * NOT FOR ACHIEVING PROFILE.						
Plastic Grit: 46 lbs./cu.ft.	Plastic (all sizes) is generally used to remove paint from aircraft, motor vehicles, fiberglass, etc. * NOT FOR ACHIEVING PROFILE.							
Glass Beads: 100 lbs./cu.ft.	For cleaning and peening or to produce Matte or Satin finish. * NOT FOR ACHIEVING PROFILE.							
Steel Shot: 250 lbs./cu.ft.	For cleaning or peening in automated systems by specification. * NOT ANCHOR PATTERN.							