

# TRUABRASIVES

TruAbrasives are carefully sourced and processed. By using the proper blast methods, your glass performance is maximized. Our crushed glass abrasive is superior to other abrasives in a variety of applications, for performance, health and environmental benefits.



100%  
Recycled  
Glass,  
Made in  
the USA



CARB & OPL  
Approved,  
Mil-Spec,  
SSPC AB-1,  
Class A,  
MIL-A-22262B(SH)



Less than  
1% silica,  
non-reactive  
and inert,  
Beryllium  
is not listed  
on SDS



Superior  
profile,  
cut speed,  
consumption  
rates



White post-  
blast finish,  
translucent  
dust for  
increased  
visibility

## COMPARATIVE PERFORMANCE DATA

Abrasive Media	Dust Generation	Cleaning Rate (ft <sup>2</sup> /min)	Surface Depth (mils)	Microns (μ)
Brand Name Coal Slag	14%	1.45 (coating) 1.02 (CRS)	4.3	730 μ
TruAbrasives Crushed Glass	9.7%	1.71 (coating) 2.01 (CRS)	3.5	580 μ

31% less dust generated ✓

✓ 97% higher cleaning rate

*Results were verified by an independent testing laboratory on cold rolled steel.*

## GRADATIONS & PROFILE GUIDE

Available in 50lb bags (40 bags per pallet), super sacks (up to 1.5 tons/3,000 lbs) and bulk.



**FINE**

70x100



**MEDIUM**

40x70



**MEDIUM-COARSE**

20x40



**COARSE**

10x40



**EXTRA COARSE**

10x20

Profile Range	0.5 - 1.5 MILS	1.0 - 2.5 MILS	2.0 - 3.0 MILS	3.0 - 5.0 MILS	4.0 - 6.0 MILS
Consumption	3.4 lbs/ft <sup>2</sup>	2.2 lbs/ft <sup>2</sup>	1.6 lbs/ft <sup>2</sup>	1.8 lbs/ft <sup>2</sup>	2.2 lbs/ft <sup>2</sup>
Speed	0.86 ft <sup>2</sup> /min	1.46 ft <sup>2</sup> /min	2.47 ft <sup>2</sup> /min	1.61 ft <sup>2</sup> /min	2.51 ft <sup>2</sup> /min
Coating Thickness	5.9	5.9	6.0	6.3	11
Surface Finish	SP-5	SP-5	SP-5	SP-5	SP-5

Some variance in the profile can be noted in the profile ranges. Strategic Materials cannot guarantee identical profile results with TRUABRASIVES in the field, where variability exists.

## TECHNICAL TIPS FOR BLASTING

### NOZZLE SELECTION

The compressor must be able to supply enough air to maintain 90-100 PSI at the nozzle. The bigger the nozzle, the higher CFM (cubic feet per minute) required. Recommended nozzle sizes are #4-#8. Nozzle size #4 will be best for TruAbrasives Medium and Fine grades.

### METERING VALVE & BLASTING

Nozzle pressure should be set to 90 PSI at the nozzle. Adjust the abrasive metering valve for "optimal" flow (cutting) before starting to test.

### ADJUSTING METERING VALVE

1. Fully close the valve
2. Begin blasting on target
3. Open valve (each valve is different, normally to about 3.5 turns), until you start to see abrasive in the blast stream
4. Note cutting speed/effectiveness
5. Adjust by ¼ turns up or down, based on initial setting results
6. Proceed until you achieve optimal performance/productivity

## SPECIFICATIONS

<b>SPECIFIC GRAVITY</b>	2.50
<b>DENSITY</b>	Approx. 80 lbs/cu. ft.
<b>HARDNESS</b>	Approx. 6.0 (Mohs)
<b>CHLORIDES</b>	<0.0002%
<b>EMBEDMENT AT 100 PSI</b>	0.0% to 0.4%
<b>SHAPE</b>	Angular to sub-angular
<b>LOI</b>	0.08%
<b>SOFTENING POINT</b>	Approx. 1,350°F

## TYPICAL COMPOSITION

SiO <sub>2</sub> .....	73%
Na <sub>2</sub> O.....	14%
CaO.....	10%
MgO.....	<1%
Al <sub>2</sub> O <sub>3</sub> .....	<1%
SO <sub>3</sub> .....	<1%



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