



## Green Diamond vs. Crushed Glass

**Green Diamond Performance Materials delivers the most cost-effective, best profiling, consistent and environmentally friendly blast cleaning abrasives in the industry.**

**Total Cost:** Cleaning rate, material cost and an optimized flow rate, dictate the total cost of blast abrasive cleaning and surface preparation. Superior cleaning rates and low material costs make Green Diamond Abrasives the most cost-effective in the industry.

### Cost and Efficiency of Green Diamond Abrasives vs. Crushed Glass



	Fine	Extra Fine
<b>Total Cost</b> GDPM	↓ 11%	↓ 35%
<b>Cleaning Rate</b> GDPM	↑ 40%	↑ 47%

Independent testing reveals that Crushed Glass has a higher total cost and lower cleaning rate compared to Green Diamond Performance Materials' abrasives when blasting to an SP-5 white metal surface on SSPC Grade B new steel at 100 psi, measured at the nozzle, and optimized flow-rate for each abrasive's bulk density. These results are reported as percentages relative to the measured performance of Green Diamond Abrasives. Delivered costs of material will vary based on packaging, location and quantity. Individual results may vary.

While crushed glass is both abundant and low cost on a pound to pound basis, it is inferior in cleaning rate (sq. ft./hr.) and ability to profile, which in turn, leads to an overall higher cost of blasting when compared to Green Diamond Abrasives.

**Worksite Conditions:** Because of the low MOHS hardness of crushed glass, and internal micro-fractures generated during the recycling process, worksite conditions become dusty, quickly. The lack of productivity with crushed glass means blasters spend nearly 2X the amount of time blasting per sq. ft., which means more spent abrasive accumulates in the air and on the ground, further increasing the cost of cleanup and disposal.

### Benefits of Green Diamond:

- The most cost-effective blasting
- No respirable free silica
- Controlled profile
- Consistency from single source in the USA
- Cleanliness and low dusting
- Outstanding customer service

**Green Diamond Performance Materials**

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