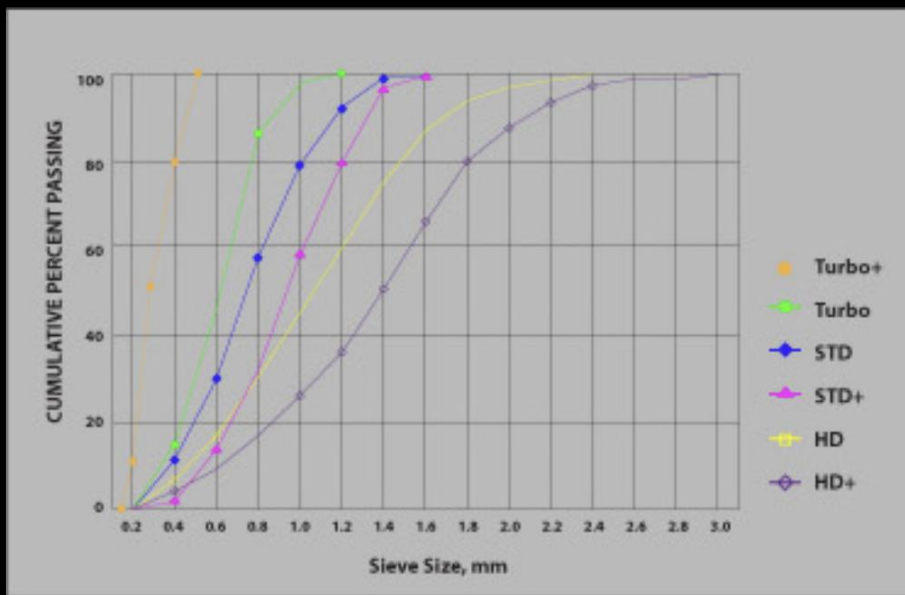


Product Specification

GRADE	SIZE RANGE (MM)	CLEANLINESS LEVEL	SURFACE PROFILE AVERAGE, MICRONS	APPLICATION
TURBO +	0.1 – 0.5	Sa 3/ SP 5	40	Paint removal, Aluminum /Glass application
TURBO	0.2 – 1.0	Sa 3/SP 5	50	Cleaning of steel, Mill scale removal
STD	0.2 – 1.4	Sa 3/SP5	60	Tanks, Fabrication shop pipe lines, oil industry
STD +	0.5 – 1.4	Sa 3/SP 5	75	Tanks, Fabrication shop pipe lines, better Recyclability
HD	0.2 -2.4	Sa 2 ½ / SP 10	80	Marine/ Ship repair, tank, construction chemical application, heavy coatings removals
HD+	0.5 – 2.5	Sa 2 ½ / SP 10	100	Ships, Bridge, Flooring application, better Recyclability

Product Sieve Specification



Raw Material

The raw material IRON SILICATE is generated by quenching of the slag in water in a specially designed granulator at Copper Smelter. This slag is stored in our factory as discrete piles to effect primary solar drying. This slag is analysed periodically for its chemical composition and is reported in the test certificate provided by us.

CONSTITUENT	%WEIGHT	PROPERTY	TYPICAL VALUES
Silica SiO ₂ (Combined as Silicate)	25-35%	colour	Black, glassy
Free Silica	<0.5%	Grain Shape	Angular, Multifaceted
Alumina, Al ₂ O ₃	2-9%	Hardness	7 Moh
Iron Oxide as FeO	45-55%	Specific Gravity at 25°C	3.5
Calcium Oxide CaO	2-9%	Bulk Density at 25°C	1.75 tonnes/m ³
Magnesium Oxide MgO	1-5%	pH	7.0
Copper Oxide, CuO	0.7% max	Conductivity at 25°C	4 mS/ m
Sulphates	0.02%	Weight raise on Ignition	4%
Chlorides	0.003%	Moisture Content	<0.1%

Recommendations For Use

Nozzle size: 5/6 – 1/2 inch

Air / Grit mixture: The grit valve is to be set at a lean feed. Too much grit in the air flow results in low production and less profile. Start with the grit valve closed, open gently until you get the proper effect and leave it there. The grit coming out of the nozzle should look like a blue haze and not like a black cloud.

Distance to surface: Optimum distance between nozzle and surface is around 30cm (12 inch).

Nozzle direction: Avoid blasting perpendicular (90 degrees) to the surface. An angle of 75-80 degrees gives the best performance

Nozzle pressure: Air Pressure at the nozzle should be between 80 and 100 psi, the closer to 100 psi, the better the performance.

Remember, to achieve high nozzle pressure:

- Nozzle size to be in relation to the capacity of the compressor (see diagram) Note that at continuous working the compressor should not run at more than 5% of the capacity.
- The air hose between compressor and blasting unit to be of as large diameter as possible and as short as possible.

Nozzle Size Recommendation

