

# Ensio Resources, Inc.

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## PATRIOT - BLAST COAL SLAG ABRASIVE PRODUCT SPECIFICATION SHEET

<b>Medium Grade</b> PB 1240	<i>PATRIOT - BLAST</i> Medium grade coal slag abrasive is used for general purpose applications. Removal of mill scale, rust and paint stripping on structural steel, ships, bridges.
<b>Fine Grade</b> PB 2040	<i>PATRIOT - BLAST</i> Fine grade coal slag abrasive is used for light paint and rust removal and new construction application. Removal of light mill scale, light rust and light paint stripping on new structural steel, bridges, frames and trucks.
<b>Extra Fine Grade</b> PB 3060	<i>PATRIOT - BLAST</i> Extra Fine grade coal slag abrasive is used for cleaning of surfaces of light paint and rust removal application to create a smooth finish. Cleaning of light mill scale, light rust and light paint stripping.
<b>Super Fine Grade</b> PB 4080	<i>PATRIOT - BLAST</i> Super Fine grade coal slag abrasive is used for general cleaning of surfaces to create a smooth finish.

### PATRIOT - BLAST COAL SLAG ABRASIVE GRADATION SPECIFICATIONS & PROFILES

TYLER/U.S. Sieve Number	MEDIUM # PB 1240	FINE # PB 2040	EXTRA FINE # PB 3060	SUPER FINE # PB 4080
	RANGE	RANGE	RANGE	RANGE
	(in Weight % Retained)	(in Weight % Retained)	(in Weight % Retained)	(in Weight % Retained)
No. 6/6	- 0 -			
No. 8/8	0 - 1%			
No. 9/10				
No. 10/12	0 - 15%	- 0 -		
No. 14/16	25 - 55%	0 - 5%	- 0 -	- 0 -
No. 20/20	20 - 45%	0 - 20%	0 - 2%	0 - 2%
No. 28/30	0 - 20%	15 - 45%	0 - 5%	0 - 5%
No. 35/40	0 - 10%	20 - 45%	0 - 15%	
No. 48/50		10 - 35%	15 - 55%	
No. 65/70			15 - 45%	10 - 40%
No. 100/100			0 - 30%	10 - 40%
PAN	0 - 5%	0 - 20%	0 - 25%	30 - 70%
Approximate Profile Anchor Pattern	2.0 - 4.0 (Mills)	1.5 - 3.0 (Mills)	1.0 - 2.0 (Mills)	0.5 - 1.5 (Mills)

### PATRIOT - BLAST COAL SLAG ABRASIVE PRODUCT

- **PARTICLE SHAPE** - angular, sharp
- **HARDNESS** - 6 to 7 on the Moh's scale
- **BULK DENSITY** - 75 - 100 lbs. Per cubic foot  
depending on product gradation
- **SPECIFIC GRAVITY** - 2.7
- **MOISTURE CONTENT** - less than 0.5%
- **FREE SILICA** - less than 1.0%

#### CHEMICAL ANALYSIS

Silicon Dioxide	48.78%
Aluminum Oxide	20.97%
Titanium Dioxide	0.94%
Ferric Oxide	19.08%
Calcium Oxide	6.02%
Magnesium Oxide	0.95%
Potassium Oxide	1.67%
Sodium Oxide	0.62%

MSDS may be obtained by contacting Ensio Resources, Inc.

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