

# MIGHTYAGG BLOCKS

## Provisional Product Data

### MightyAgg ASC3

**MightyAgg ASC3** is a high purity, low-cement, alumina-spinel castable designed to provide maximum resistance to molten steel and steelmaking slags. **MightyAgg ASC3** is a very coarse grained product with over 60% of aggregate particles greater than 2mm. It is designed specifically for in house production of large precast shapes and is not suitable for in-situ casting.

**Maximum Service Temperature:** 3400°F (1870°C)



### Mixing Water

**Apparent Porosity** @1600°C (2910°F) 9 – 12 %

### Bulk Density:

@110°C (220°F) 3110 – 3210 kg/m<sup>3</sup> (194 - 200 Lbs/ft<sup>3</sup>)  
 @1600°C (2910°F) 3080 – 3180 kg/m<sup>3</sup> (192 - 198 Lbs/ft<sup>3</sup>)

### Cold Crush Strength

@1600°C (2910°F) 1000 - 1700 Kg/cm<sup>2</sup> (14500 - 24500 Psi)

### Modulus of Rupture:

@1600°C (2910°F) 200 - 350 Kg/cm<sup>2</sup> (2900 - 5000 Psi)

### Permanent Linear Change(%):

@110°C to1600°C (220 to 2910°F) -0.20 to + 0.10

### Typical Chemical Analysis(%):

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	Alk	Other
90.7	0.1	0.06	1.2	7.2	0.25	0.49

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled conditions and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice. RESCO PRODUCTS disclaims any expressed or implied warranties based on this sheet. 01/08/13 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet