

## Provisional Product Data

### MightyAgg ASC4

**MightyAgg ASC4** is a high purity, low-cement, alumina-spinel castable designed to provide excellent resistance to molten steel and steelmaking slags.

**MightyAgg ASC4** is a very coarse grained product with over 60% of aggregate particles greater than 2mm. It is designed specifically for in house production of smaller precast shapes and is not suitable for in-situ casting.

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

**Mixing Water** Less than 3.5 % By Wt.

**Apparent Porosity**

@1600°C 10 - 13 %

**Bulk Density:**

@110°C	3090 – 3190 kg/m <sup>3</sup>	(193 - 199 Lbs/ft <sup>3</sup> )
@1600°C	3060 – 3150 kg/m <sup>3</sup>	(191 - 197 Lbs/ft <sup>3</sup> )

**Cold Crush Strength**

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

**Modulus of Rupture:**

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

**Permanent Linear Change(%):**

110°C – 1600°C -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
89.6	0.11	0.07	1.62	8.17	0.21	0.22

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.

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