

# Quikturn Castables

## Product Data

### MightyAgg 60QT

**MightyAgg 60QT** is a 60% Alumina, Ultra low cement castable. This product is designed for Pre-cast Shapes. After its initial set, **MightyAgg 60QT** does not require curing and can then be dried at heat up rates much higher than traditionally used. **MightyAgg 60QT** has good strength, thermal shock and abrasion resistance.

**Maximum Service Temperature:** 1700°C

#### Bulk Density:

Fired to 815°C 2400 – 2500 kg/m<sup>3</sup>

#### Cold Crushing Strength:

Fired to 815°C > 500 kg/cm<sup>2</sup>  
 Fired to 1600°C > 700 kg/cm<sup>2</sup>

#### Modulus of Rupture:

Fired to 815°C > 100 kg/cm<sup>2</sup>

#### Erosion Loss (ASTM C704):

Fired to 815°C < 8 cc

#### Permanent Linear Change(%):

Green to 815°C 0.0 to -0.3

#### Typical Conductivity or “K” Factor:

Mean Temp.	BTU/ft <sup>2</sup> /HR/°F/in	W/mK
1000°F ( 540°C)	11.0	1.59
1500°F ( 815°C)	10.0	1.44
2000°F (1095°C)	10.0	1.44

#### Chemical Analysis(%):

	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	CaO+MgO	Alkalies
Spec;	>60.0	<40.0	<1.20	<2.5	<1.5	<0.5
Typical	61.0	35.0	1.0	2.0	1.0	0.3

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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