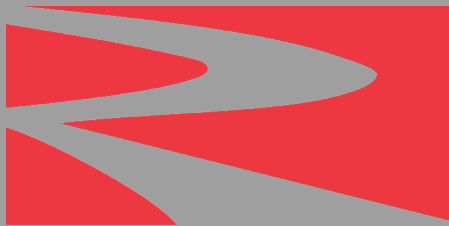


# Rapid Heat Up Castables

QuikTurn & R-Max QT



**RESCO**<sup>®</sup>  
PRODUCTS, INC.

[www.RescoProducts.com](http://www.RescoProducts.com)

# QuikTurn & R-Max QT

Installation Method	Product	Bulk Density	Maximum Service Temp (°F)	Cold Crushing Strength
Pumpable	QuikTurn 45PCA	144	3000	10,000
	QuikTurn 45PC	145	3000	8,000
	QuikTurn 60Z PC	149	3100	10,000
	QuikTurn 60PC	152	3100	9,000 - 13,000
	QuikTurn 65PCA	155	3000/2000*	8,400
	QuikTurn 56 SC PC	156	2900	11,000
	QuikTurn 32-70 PC	156	3200	8,200
	QuikTurn AZS PC	178	2800	9,800
Vibratables	QuikTurn 32-70	159	3200	13,000
	QuikTurn 85 ULM	163	3200	5,000
Gunned	QuikTurn 45G	130	3000	4,000
	QuikTurn 60 ZG	138	3100	6,225
	QuikTurn 60G	150	3100	9,000
	QuikTurn 56 SC G	147	2900	11,000
Self-Flow	QuikTurn 60 SF	156	3100	9,000

## Abrasion Resistant Products

Installation Method	Product	Bulk Density	Maximum Service Temp (°F)	Cold Crushing Strength
Pumpable	R-Max Z PC QT	166	3200	15,000
	R-Max PC QT	170	3200	18,500
	R-Max AZS PC QT	177	3200	18,000
Gunned	R-Max G QT	147	3200	9,500

\*Denotes refractory/aluminum contact temperature limits

\*\*Denotes cyclic/constant temperature limits

QuikTurn 45PC

QuikTurn 45PCA

QuikTurn 45G

QuikTurn 60PC

QuikTurn 60G

QuikTurn 60SF

QuikTurn 60Z PC

QuikTurn 60 ZG

QuikTurn 65 PCA

QuikTurn 32-70

QuikTurn 32-70PC

QuikTurn 56SCPC

QuikTurn 56 SCG

QuikTurn AZS PC

# QuikTurn & R-Max QT

Erosion Loss	Permanent Linear Change	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	SiC	ZrO <sub>2</sub>	Alkalies
< 12.0	-0.3 to 0.0	45.5	48.8	0.8	1.4	1.5	--	--	0.2
< 15.0	-0.3 to 0.0	46.9	48.9	0.8	1.5	1.6	--	--	0.2
< 12.0	-0.2 to 0.0	54.7	37.3	0.8	1.3	1.5	--	3.3	1.0
< 12.0	-0.1 to -0.3	61.3	29.9	0.9	1.8	0.9	--	--	0.2
--	-0.3 to 0.0	61.6	29.4	0.8	1.6	1.5	--	--	0.1
< 12.0	-0.3 to 0.0	32.4	11.9	0.4	0.7	1.0	53.4	--	0.2
< 15.0	-0.3 to 0.0	70.4	24.1	1.2	2.5	1.6	--	--	0.1
< 7.0	-0.3 to 0.0	48.1	23.0	0.3	0.5	1.9	4.9	20.3	1.0
< 10.0	-0.2 to 0.0	71.0	26.6	1.0	2.5	1.3	--	--	0.8
--	-0.2 to 0.0	77.3	19.1	0.8	2.2	0.4	--	--	0.1
< 16.0	-0.3 to 0.0	47.8	48.5	0.9	1.4	1.0	--	--	0.3
< 12.0	-0.3 to 0.0	55.4	37.0	1.0	1.6	1.2	--	3.0	0.2
< 12.0	-0.3 to 0.0	56.0	39.9	1.0	1.6	1.2	--	--	0.2
< 12.0	-0.2 to 0.0	27.5	15.3	0.3	0.5	0.9	54.9	--	0.2
< 15.0	-0.3 to 0.0	61.6	34.0	0.8	1.5	1.5	--	--	0.1

Erosion Loss	Permanent Linear Change	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	SiC	ZrO <sub>2</sub>	Alkalies
< 5.0	-0.3 to 0.0	75.0	17	--	2.3	2.0	--	3.3	0.2
< 5.0	-0.4 to 0.0	81.3	13.0	1.0	2.4	1.9	--	--	0.2
< 5.0	-0.3 to 0.0	55.0	20.7	0.6	0.5	3.1	--	18.5	1.6
< 10.0	-0.3 to 0.0	72.5	22.5	1.3	2.2	1.4	--	--	0.2

# QuikTurn & R-Max QT

QuikTurn 45PC

QuikTurn 45PCA

QuikTurn 45G

QuikTurn 60PC

QuikTurn 60G

QuikTurn 60SF

QuikTurn 60Z PC

QuikTurn 60 ZG

QuikTurn 65 PCA

QuikTurn 32-70

QuikTurn 32-70PC

QuikTurn 56SCPC

QuikTurn 56 SCG

QuikTurn AZS PC

## QuikTurn 45PC

QUIKTURN 45PC is a low cement, 45% alumina castable that can be installed by vibration cast, pumping, and shotcreting methods. After the final set, this unique castable can be heated without the traditional ramp-and-hold heatup schedule.

## QuikTurn 45PCA

QUIKTURN 45 PCA is a aluminum-resistant, low cement, 45% alumina castable, that can be installed by vibration cast, pumping, and shotcreting methods. This castable is formulated for aluminum resistance but is intended, primarily, for backup linings.

## QuikTurn 45G

QUIKTURN 45G is an ultra-low cement, 47% alumina gun mix that is installed by conventional gunning methods.

## QuikTurn 60PC

QUIKTURN 60PC is a mullite-based, low cement, 60% alumina castable that can be installed by vibration cast, pumping, and shotcreting methods. After the final set, this unique castable can be heated without the traditional ramp-and-hold heatup schedule.

## QuikTurn 60G

QUIKTURN 60G is a mullite-based, low cement, 60% alumina low cement gun mix that can be installed by conventional gunning methods.

## QuikTurn 65PCA

QUIKTURN 65 PCA is a aluminum-resistant, 60% alumina, low cement castable that can be vibration cast, pumped, or shotcreted. QUIKTURN 65 PCA has excellent strength and resistance to molten aluminum.

## QuikTurn 60 ZG

QUIKTURN 60 ZG is a mullite-based, low cement, 60% alumina, low cement gun mix containing a zircon addition for improved buildup resistance in the cyclone and precalciner in the Portland cement industry.

## QuikTurn 60 Z PC

QUIKTURN 60Z PC is an ultra low cement 55% alumina castable with a zircon addition, that features excellent strengths, alkali resistance, abrasion resistance. For improved build-up resistance in portland cement industry.

## QuikTurn 85ULM

QUIKTURN 85ULM is an ultra-low cement, 80% alumina castable that can be installed by vibration casting only. After the final set, this unique castable can be heated without the traditional ramp-and-hold heatup schedule.

## QuikTurn 32-70PC

QUIKTURN 32-70 PC is a low cement, 70% alumina castable that can be installed by vibration cast, pumping, and shotcreting methods.

## QuikTurn 56 SCPC

QUIKTURN 56 SCPC is a silicon carbide-based, ultra-low cement castable that can be vibration cast, pumped, or shotcreted. QUIKTURN 56 SCPC has very good resistance to alkali and abrasion along with high thermal conductivity.

## QuikTurn AZS PC

QUIKTURN AZS PC is a low cement, QUIKTURN castable that contains an alumina-zirconia-silica (AZS) aggregate and can be installed by vibration cast, pumping, and shotcreting methods. After the final set, this unique castable can be heated without the traditional ramp-and-hold heatup schedule. Refer to the recommended QUIKTURN heatup schedule for the initial heatup. This product was formulated, specifically, for cement preheater tower applications that require an abrasion-resistant monolithic refractory that resists dust buildup.

## QuikTurn 60SF

QUIKTURN 60 SF is a low cement, 60% alumina that can be installed by self-flow and pumping methods. This castable was formulated for self-flowing installations.

## QuikTurn 60G

QUIKTURN 60G is a mullite-based, low cement, 60% alumina low cement gun mix that can be installed by conventional gunning methods. After the final set, this unique castable can be heated without the traditional ramp-and-hold heatup schedule.

## QuikTurn 56SCG

QUIKTURN 56SCG is a silicon carbide-based, ultra-low cement gun mix that can be installed by conventional dry gunning methods. This product features very good resistance to abrasion and alkali contact along with high thermal conductivity. After the initial set, this gun mix can be heated without using the traditional ramp-and-hold heatup schedule.

## QuikTurn 32-70

QUIKTURN 32-70 is a low cement, 70% alumina castable that can be installed by vibration cast methods only. After the final set, this unique castable can be heated without the traditional ramp-and-hold heatup schedule.

## **Abrasion Resistant QuikTurn Products**

### **R-Max Z PC QT**

R-MAX Z PC QT is a zircon-containing high performance castable designed to provide maximum abrasion resistance and excellent strengths.

### **R-Max AZS PC QT**

R-Max AZS PC QT is a zircon-containing high performance castable designed to provide maximum abrasion resistance and excellent strengths.

### **R-Max PC QT**

R-MAX PC QT is a Pumpable, Abrasion-Resistant, 80% Alumina Castable. This castable can be installed by vibration casting and pumping methods. Ideal applications for this castable are severe abrasion areas where refractory heatup is difficult to control.

### **R-Max G QT**

R-MAX G QT is a high performance gunning mix designed to provide high abrasion resistance and excellent strengths. R-Max G QT should be installed using conventional gunning methods.



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