

Insulating Castables

RESCOCAST 3A RSP

RESCOCAST 3A RSP IS A HIGH PERFORMANCE LOW IRON 60 lbs/ft³ INSULATING CASTABLE DESIGNED FOR INSTALLATION BY PUMPCASTING OR SHOTCRETING. ITS UNIQUE FORMULATION ALLOWS IT TO BE PUMPED BY EITHER LARGE PISTON PUMPS OR SMALL ROTOR-STATOR UNITS THIS GIVES THE CONTRACTOR THE OPTION TO USE THE PRODUCT IN BOTH HIGH AND LOW VOLUME SHOTCRETE INSTALLATIONS. IDEAL FOR REDUCING ATMOSPHERES.

MAXIMUM SERVICE TEMPERATURE 2500°F

IMPERIAL UNITS

PROPERTY	TEMP	PUMPED DATA		SHOTCRETED DATA		UNITS
		RANGE	TYPICAL	RANGE	TYPICAL	
Mixing Water		28 - 32	30	28 - 32	30	%
Bulk Density	220 °F	62 - 72	66	80 - 90	84	Lbs/ft ³
	1500 °F	56 - 66	60	70 - 80	76	Lbs/ft ³
Cold Crushing Strength	220 °F	700 - 1000	900	1300 - 1800	1700	Lbs/in ²
	1500 °F	600 - 900	750	1000 - 1400	1200	Lbs/in ²
Modulus Of Rupture	1500 °F	100 - 200	150	200 - 300	250	Lbs/in ²
Permanent Linear Change	220 - 1500 °F	-0.2 to -0.6	-0.3	-0.2 to -0.6	-0.3	%
Porosity	815 °F	48 - 52	50	43 - 47	45	%
Conductivity or "K" factor	500 °F		1.70		1.85	BTU/ft ² /Hr/°F/in
	1000 °F		1.65		1.90	BTU/ft ² /Hr/°F/in
	1500 °F		1.80		2.35	BTU/ft ² /Hr/°F/in

CHEMICAL ANALYSIS

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	Alkalies
49.3	35.4	1.0	10.3	0.4	1.0	1.5

STANDARD PACKAGING 40-25Kg bags per pallet

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

METRIC DATA SHOWN ON PAGE 2



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MAXIMUM SERVICE TEMPERATURE 1370°C

METRIC UNITS

PROPERTY	TEMP	PUMPED DATA		SHOTCRETED DATA		UNITS
		RANGE	TYPICAL	RANGE	TYPICAL	
Mixing Water		28 - 32	30	28 - 32	30	%
Bulk Density	110 °C	990 - 1150	1060	1280 - 1440	1345	Kg/m ³
	815 °C	900 - 1060	960	1120 - 1280	1220	Kg/m ³
Cold Crushing Strength	110 °C	48 - 69	62	90 - 124	117	Kg/cm ²
	815 °C	41 - 62	52	69 - 97	83	Kg/cm ²
Modulus Of Rupture	815 °C	7 - 14	10.5	14 - 21	17	Kg/cm ²
Permanent Linear Change	110 - 815 °C	-0.2 to -0.6	-0.3	-0.2 to -0.6	-0.3	%
Porosity	815 °C	48 - 52	50	43 - 47	45	%
Conductivity or "K" factor	260 °C		0.24		0.26	W/mK
	540 °C		0.23		0.27	W/mK
	815 °C		0.25		0.33	W/mK

CHEMICAL ANALYSIS

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	Alkalies
49.3	35.4	1.0	10.3	0.4	1.0	1.5

STANDARD PACKAGING 40-25Kg bags per pallet