

Insulating Castables

RESCOCAST 9 RSP

RESCOCAST 9 RSP IS A HIGH PERFORMANCE 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

MAXIMUM SERVICE TEMPERATURE 2400°F

IMPERIAL UNITS

PROPERTY	TEMP	PUMPED DATA		SHOTCRETED DATA		UNITS
		RANGE	TYPICAL	RANGE	TYPICAL	
Mixing Water		16 - 20	18	16 - 20	18	%
Bulk Density	220 °F	92 - 100	97	97 - 107	103	Lbs/ft ³
	1500 °F	85 - 93	90	90 - 100	96	Lbs/ft ³
Cold Crushing Strength	220 °F	1400 - 2000	1700	1600 - 2200	1900	Lbs/in ²
	1500 °F	600 - 1000	800	800 - 1200	1000	Lbs/in ²
Modulus Of Rupture	1500 °F	150 - 300	200	300 - 500	400	Lbs/in ²
Permanent Linear Change	220 - 1500 °F	0 to -0.2	-0.2	0 to -0.2	-0.2	%
Porosity	815 °F	40 - 45	43	37 - 42	40	%
Conductivity or "K" factor	500 °F		2.35		2.60	BTU/ft ² /Hr/°F/in
	1000 °F		2.50		2.80	BTU/ft ² /Hr/°F/in
	1500 °F		2.90		3.00	BTU/ft ² /Hr/°F/in

CHEMICAL ANALYSIS

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	Alkalies
46.2	41.0	1.6	6.5	0.4	0.9	1.2

STANDARD PACKAGING 60-25Kg 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.

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METRIC DATA SHOWN ON PAGE 2

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MAXIMUM SERVICE TEMPERATURE 1425°C

METRIC UNITS

PROPERTY	TEMP	PUMPED DATA		SHOTCRETED DATA		UNITS
		RANGE	TYPICAL	RANGE	TYPICAL	
Mixing Water		16 - 20	18	16 - 20	18	%
Bulk Density	110 °C	1475 - 1600	1540	1550 - 1720	1650	Kg/m ³
	815 °C	1360 - 1490	1425	1440 - 1600	1520	Kg/m ³
Cold Crushing Strength	110 °C	97 - 138	62	111 - 152	132	Kg/cm ²
	815 °C	42 - 70	52	56 - 84	70	Kg/cm ²
Modulus Of Rupture	815 °C	10 - 21	16	21 - 35	28	Kg/cm ²
Permanent Linear Change	110 - 815 °C	0 to -0.2	-0.2	0 to -0.2	-0.2	%
Porosity	815 °C	40 - 45	43	37 - 42	40	%
Conductivity or "K" factor	260 °C		0.34		0.37	W/mK
	540 °C		0.36		0.40	W/mK
	815 °C		0.42		0.43	W/mK

CHEMICAL ANALYSIS

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	Alkalies
46.2	41.0	1.6	6.5	0.4	0.9	1.2

STANDARD PACKAGING 60-25Kg bags per pallet