



Material Certification Report

Brand: rPozz
 Material: Pozzolan
 Product: PozzoSlag 2.0

Test Period: 01-May-2021
 To: 31-May-2021

Certification

rPozz LLC. certifies that, pursuant to ASTM C-618 protocol following ASTM C-311 methods for testing, the test data listed herein was generated by applicable ASTM methods and meets requirements of ASTM C-618, C-989 grade 100 performance, and AASHTO M-295 for pozzolanic materials

General Information

Supplier: rPozz, LLC.	Source Location: rPozz LLC.
Address: 2204 Timberloch Place #248 The Woodlands TX. 77380	157 LCR 999 Jewett TX. 75846
Telephone: (281) 419-2422	Contact: (903) 626-8584
Date Issued: 31-May-2021	

The following information is based on samples during the test period.

Tests Data on ASTM Standard Requirements

Chemical			Physical		
Item	Limit ^A	Result	Item	Limit ^A	Result
Silicon Dioxide (SiO ₂)	-	33.37	+45 µm (No. 325) Sieve (%) ASTM C 430	10% Max	3.97
Aluminium Oxide (Al ₂ O ₃)	-	16.37	Fineness Uniformity	3% Max	1.04%
Iron Oxide (Fe ₂ O ₃)	-	6.04	Water Requirement, % of Control	105% Max	71%
			Surface Area (by BET) m ² /g	-	0.648
Magnesium Oxide (MgO)	-	5.9	Specific Gravity	-	2.710
Sulfur Trioxide (SO ₃)	5.0% Max	2.95	Specific Gravity Uniformity	5% Max	1.8
Moisture Content	3.0% Max	0.02	Autoclave Expansion (%) ASTM C 151	0.8% Max	0.000
Loss On Ignition	6.0% Max	1.29	Grade 100 Strength Activity Index with Portland Cement		
Sodium Oxide (Na ₂ O)	-	1.87	7 Day	-	111%
Potassium Oxide (K ₂ O)	-	0.46	28 Day	95% Min	130%
Total Alkali as Na ₂ O Equivalent	-	2.17	Compressive Strength Data ^B	Std. Dev. Psi	Mpa
Availble Alkalis as Na ₂ O	-	0.71	1 Day	136	14.8
Calcium Oxide (CaO)	-	28.65	3 Day		
Titanium Oxide (TiO ₂)	-	1.42	7 Day	377	35.2
Phophours Oxide (P ₂ O ₃)	-	0.255	14 Day		
Lithium ppm	95 ppm min	98	28 Day	518	49.2
			Foam Index (Drops)		3

Optional Requirements

Chemical			Physical		
Item	Limit ^A	Result	Item	Limit ^A	Result
Mls H ₂ O		170			

Notes

^ADashes in the limits columns means Not Applicable, provided for informational purposes.

This data may have been reported on previous mill certificates. It is typical of the product being currently shipped.

^BReference cement chemical and physical data furnished upon request.

We certify that the above described pozzolan, at the time of shipment, meets the chemical and physical requirements of the current applicable specifications ASTM C-618, C-989 grade 100 performance, TX DOT DMS-4610 MFA, and AASHTO M-295 for pozzolanic materials.

David McNitt
 Director Technology