

CERTIFICADO DA QUALIDADE

ENSAIOS QUÍMICOS E FÍSICOS DO CIMENTO CPV ARI

Out/2024

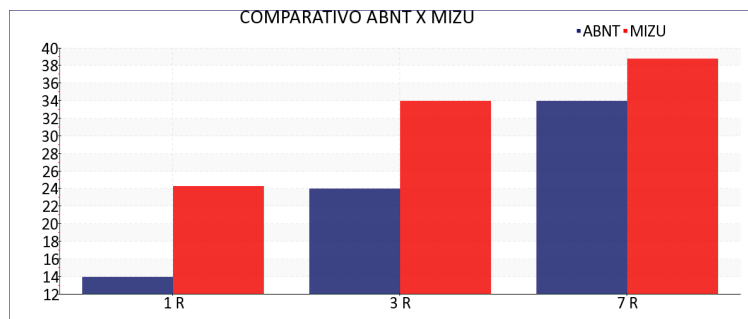
DATA	COMPOSIÇÃO QUÍMICA			RESISTÊNCIA A COMPRESSÃO				FINURA				EXP.	PEGA		CONSIST. NORMAL
	PF	RI	SO3	1 DIA	3 DIAS	7 DIA	28 DIAS	MASSA ESPECÍFICA	BLAINE	#P325	#200	QUENTE	INICIO	FIM	
	<6,5	<5,0	<4,5	>14,0	>24,0	>34,0		g/cm ³	cm ² /g	%	%	mm	>60	<600	
	%	%	%	MPa	MPa	MPa	MPa						min	min	%
02/10/2024	3.85	1.30	4.04	27.20	36.00	40.00	48.62	3.11	4934	0.53	0.06	0.00	113	145	31.36
03/10/2024	3.84	1.40	3.98	25.45	35.03	38.16	48.95	3.11	4916	0.44	0.04	0.00	110	140	31.38
07/10/2024	3.82	0.80	3.87	25.35	33.60	38.40	49.37	3.11	4860	0.63	0.07	0.00	116	150	31.30
08/10/2024	3.53	1.11	4.12	25.05	35.10	40.93		3.11	4952	0.68	0.04	0.00	125	163	31.30
09/10/2024	3.46	1.13	4.05	24.30	34.76	39.33		3.11	4879	0.80	0.05	0.00	123	155	31.58
09/10/2024	3.67	1.25	3.92	24.25	34.63	39.63		3.11	4934	0.67	0.05	0.00	124	159	31.42
11/10/2024	4.16	0.66	4.16	24.15	33.33	38.90		3.11	4860	0.68	0.09	0.00	119	154	31.42
14/10/2024	4.32	0.82	4.13	23.70	32.66	38.66		3.11	4897	0.58	0.08	0.00	121	156	31.79
15/10/2024	3.99	0.69	4.54	24.05	34.26	38.50		3.11	5060	0.57	0.07	0.00	116	151	31.40
16/10/2024	3.32	0.88	3.90	23.65	33.70	38.30		3.11	5060	0.61	0.06	0.00	117	152	31.90
16/10/2024	3.71	0.88	4.08	22.65	31.93	38.06		3.11	5060	0.71	0.05	0.00	132	169	32.38
17/10/2024	3.73	1.05	3.92	24.00	33.16	38.73		3.11	4989	0.67	0.08	0.00	130	166	32.26
21/10/2024	3.94	1.07	4.01	24.85	33.56	38.93		3.11	5078	0.69	0.06	0.00	108	139	31.44
22/10/2024	3.99	0.78	3.85	24.15	35.10	39.86		3.11	4879	0.67	0.05	0.00	123	156	32.82
24/10/2024	3.22	0.84	3.94	24.50	33.16	37.36		3.11	5184	0.59	0.04	0.00	107	137	32.78
25/10/2024	2.87	1.03	3.58	23.30	33.33	38.23		3.11	4934	0.43	0.04	0.00	106	138	31.58
29/10/2024	3.48	0.87	4.12	24.60	33.66	37.93		3.11	5096	0.66	0.06	0.00	114	147	31.52
30/10/2024	3.64	0.74	3.97	23.45	35.60	39.63		3.11	4934	0.55	0.06	0.00	128	164	32.72
30/10/2024	3.81	0.74	3.98	23.10	33.93	37.56		3.11	4860	0.63	0.06	0.00	122	155	32.46

Controle Estatístico

	PF	RI	SO3	R1	R3	R7	R28	MASSA ESPECÍFICA	BLAINE	#P325	#200	EXP.	INICIO	FIM	CONSIST.
Média	3.70	0.95	4.01	24.30	34.03	38.79	48.98	3.11	4967	0.62	0.06	0.00	119	152	31.83
Desvio	0.34	0.22	0.19	1.02	1.05	0.91	0.38	0.00	96	0.09	0.01	0.00	8	10	0.55
NBR 16697:2018	<6,5	<3,5	<4,5	>14,0	>24,0	>34,0	-	-	-	-	<6,0	<5,0	>60	<600	-

Comparativo ABNT x MIZU

	ABNT	MIZU
R1	14	24.30
R3	24	34.03
R7	34	38.79
R28	--	48.98



Kênia gomes aires

Responsável Técnico

Kênia Gomes Aires

CRQ: 21.3.00318

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Nov/2024

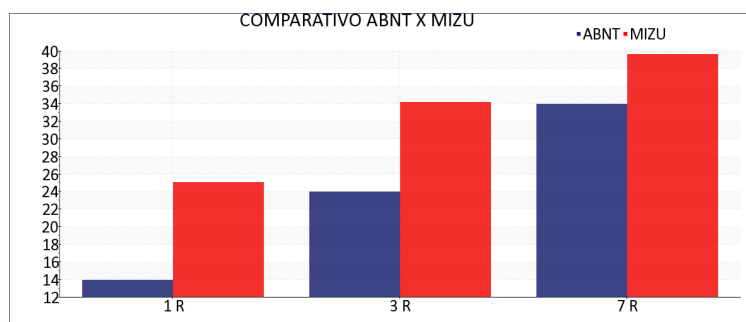
DATA	COMPOSIÇÃO QUÍMICA			RESISTÊNCIA A COMPRESSÃO				FINURA				EXP.	PEGA		CONSIST. NORMAL
	PF	RI	SO3	1 DIA	3 DIAS	7 DIA	28 DIAS	MASSA ESPECÍFICA	BLAINE	#P325	#200	QUENTE	INICIO	FIM	
	<6,5	<5,0	<4,5	>14,0	>24,0	>34,0		g/cm ³	cm ² /g	%	%	mm	>60	<600	
01/11/2024	3.19	1.19	4.10	24.95	34.76	40.53		3.11	5078	0.65	0.06	0.00	113	144	31.90
04/11/2024	3.94	1.09	4.04	23.80	34.86	40.10		3.11	5078	0.37	0.04	0.00	118	150	31.64
05/11/2024	3.64	1.06	3.92	25.10	32.36	39.96		3.11	5201	0.68	0.07	0.00	116	151	31.50
05/11/2024	3.66	1.06	4.04	25.60	34.06	39.60		3.11	4767	0.75	0.10	0.00	108	141	31.58
06/11/2024	3.86	0.67	3.95	26.00	34.90	38.33		3.11	4842	0.63	0.06	0.00	112	143	31.50
07/11/2024	3.34	0.71	4.01	23.65	34.36			3.11	4897	0.56	0.07	0.00	126	163	31.60
11/11/2024	2.96		4.09	26.45				3.11	4970	0.68	0.09	0.00	106	138	31.90
12/11/2024	2.80		4.09	25.20				3.11	5042	0.70	0.06	0.00	112	147	32.08

Controle Estatístico

	PF	RI	SO3	R1	R3	R7	R28	MASSA ESPECÍFICA	BLAINE	#P325	#200	EXP.	INICIO	FIM	CONSIST.
Média	3.42	0.96	4.03	25.09	34.22	39.70		3.11	4984	0.63	0.07	0.00	114	147	31.71
Desvio	0.42	0.22	0.07	0.98	0.97	0.84		0.00	143	0.12	0.02	0.00	6	8	0.22
NBR 16697:2018	<6,5	<3,5	<4,5	>14,0	>24,0	>34,0	-	-	-	-	<6,0	<5,0	>60	<600	-

Comparativo ABNT x MIZU

	ABNT	MIZU
R1	14	25.09
R3	24	34.22
R7	34	39.70
R28	--	



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