

CERTIFICADO DA QUALIDADE

ENSAIOS QUÍMICOS E FÍSICOS DO CIMENTO CPV ARI

Fev/2024

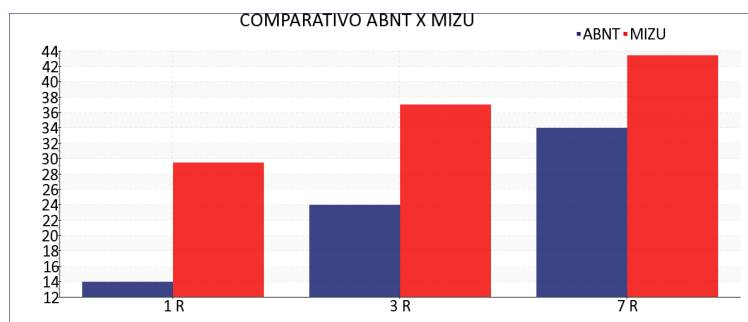
DATA	COMPOSIÇÃO QUÍMICA			RESISTÊNCIA A COMPRESSÃO				FINURA				EXP.	PEGA		CONSIST. NORMAL
	PF	RI	SO3	1 DIA	3 DIAS	7 DIA	28 DIAS	MASSA ESPECÍFICA	BLAINE	#P325	#200	QUENTE	INICIO	FIM	
	<6,5	<5,0	<4,5	>14,0	>24,0	>34,0		g/cm³	cm²/g	%	%	mm	>60	<600	
01/02/2024	4.71	0.56	3.93	25.40	37.30	40.36	49.55	3.12	5020	0.78	0.10	0.00	134	183	33.94
05/02/2024	3.41	1.08	3.77	29.85	34.63	42.40	50.87	3.12	4983	0.56	0.06	0.00	100	134	30.40
06/02/2024	3.85	1.21	3.91	28.45	37.63	41.40	52.10	3.12	4983	1.00	0.07	0.00	106	140	31.08
07/02/2024	4.07	0.99	3.91	27.40	38.50	44.33	50.77	3.12	5122	0.86	0.06	0.00	110	147	31.08
10/02/2024	3.72	1.09	3.77	29.75	38.26	41.36	50.40	3.12	5120	0.82	0.07	0.00	102	144	31.10
14/02/2024	3.35	0.71	4.01	31.25	37.26	41.73	49.35	3.12	5050	1.02	0.07	0.00	103	139	31.74
15/02/2024	3.73	1.21	3.94	33.55	40.86	43.86	53.65	3.12	5112	0.60	0.06	0.00	96	131	31.10
16/02/2024	2.74	1.49	4.20	31.60	39.86	48.10	53.17	3.12	5130	0.44	0.04	0.00	97	130	31.78
20/02/2024	2.75	0.81	3.99	29.90	40.10	47.00	52.12	3.12	4983	0.43	0.04	0.00	102	132	31.24
22/02/2024	3.61	1.04	4.05	31.70	34.40	43.23	51.47	3.12	4908	0.65	0.07	0.00	100	135	30.70
26/02/2024	2.81	1.01	4.22	27.55	31.66	43.86	50.62	3.12	4983	0.60	0.06	0.00	108	147	31.04
27/02/2024	2.75	1.13	4.44	30.00	34.23	44.16	51.22	3.12	4889	0.52	0.07	0.00	105	141	31.06
28/02/2024	3.27	0.92	4.29	28.45	39.16	43.83	54.60	3.12	5086	0.58	0.08	0.00	99	138	31.22
29/02/2024	2.93	0.96	4.19	27.90	35.33	42.60	52.27	3.12	4994	0.65	0.06	0.00	107	144	31.24

Controle Estatístico

	PF	RI	SO3	R1	R3	R7	R28	MASSA ESPECÍFICA	BLAINE	#P325	#200	EXP.	INICIO	FIM	CONSIST.
Média	3.41	1.02	4.04	29.48	37.08	43.44	51.58	3.12	5026	0.68	0.07	0.00	105	142	31.34
Desvio	0.59	0.23	0.20	2.13	2.67	2.13	1.51	0.00	79	0.19	0.02	0.00	9	13	0.83
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	29.48
R3	24	37.08
R7	34	43.44
R28	--	51.58



Kênia gomes aires

Responsável Técnico
Kênia Gomes Aires
CRQ: 21.3.00318

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Mar/2024

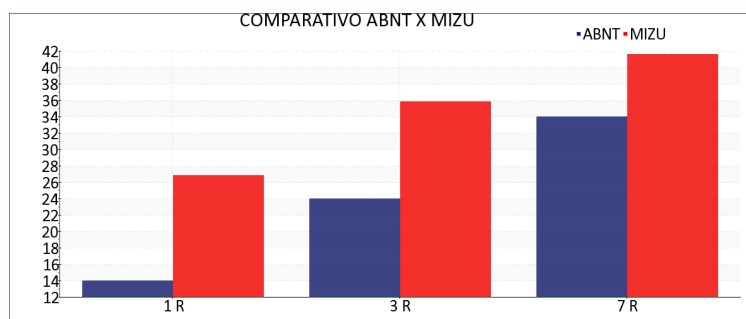
DATA	COMPOSIÇÃO QUÍMICA			RESISTÊNCIA A COMPRESSÃO				FINURA				EXP.	PEGA		CONSIST. NORMAL
	PF	RI	SO3	1 DIA	3 DIAS	7 DIA	28 DIAS	MASSA ESPECÍFICA	BLAINE	#P325	#200	QUENTE	INICIO	FIM	
	<6,5	<5,0	<4,5	>14,0	>24,0	>34,0		g/cm ³	cm ² /g	%	%	mm	>60	<600	
01/03/2024		1.02	4.11	28.05	36.70	42.43	52.15	3.12	5122	0.39	0.05	0.00	97	128	31.44
05/03/2024	2.83	0.93	4.03	29.15	38.73	42.83	50.90	3.12	5086	0.54	0.05	0.00	105	135	31.90
06/03/2024	2.82	0.63	4.31	27.05	34.10	42.23		3.12	5031	0.63	0.05	0.00	93	119	31.62
08/03/2024	3.01	0.88	4.13	26.60	34.30	40.93		3.12	5020	0.61	0.06	0.00	110	140	31.56
11/03/2024	2.88	0.81	3.85	26.00	36.26	41.86		3.12	4939	0.69	0.06	0.00	127	162	31.46
12/03/2024	3.35	0.94	3.96	24.50	32.90	39.70		3.12	4755	0.51	0.06	0.00	120	156	31.30
13/03/2024	2.78	0.94	3.93	26.40	36.96			3.12	5057	0.63	0.05	0.00	131	162	31.58
14/03/2024	3.09	1.03	3.93	26.80	37.20			3.12	4946	0.56	0.06	0.00	118	150	31.39
15/03/2024	2.86	0.80	4.11	27.25				3.12	5020	0.74	0.12	0.00	126	151	32.38

Controle Estatístico

	PF	RI	SO3	R1	R3	R7	R28	MASSA ESPECÍFICA	BLAINE	#P325	#200	EXP.	INICIO	FIM	CONSIST.
Média	2.95	0.89	4.04	26.87	35.89	41.66	51.53	3.12	4997	0.59	0.06	0.00	114	145	31.63
Desvio	0.19	0.13	0.14	1.30	1.94	1.16	0.88	0.00	108	0.10	0.02	0.00	14	15	0.33
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	26.87
R3	24	35.89
R7	34	41.66
R28	--	51.53



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