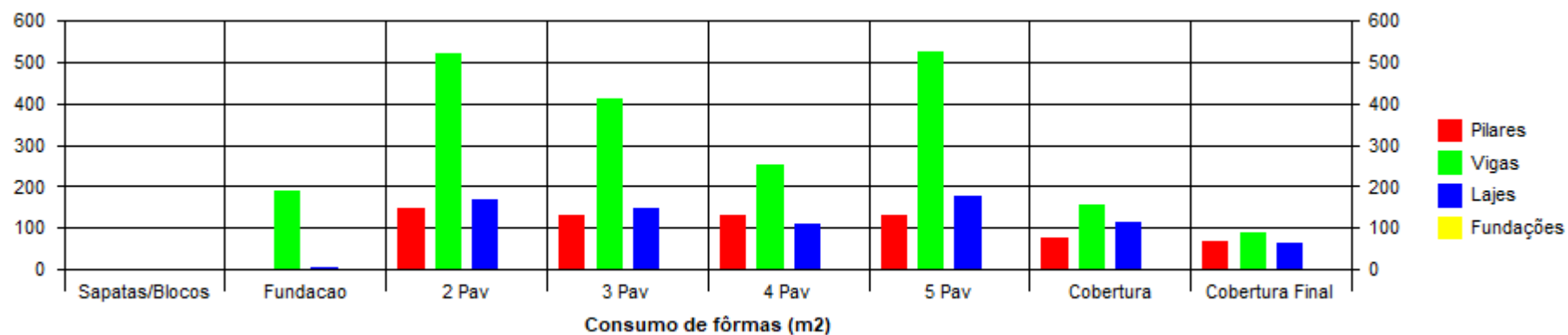
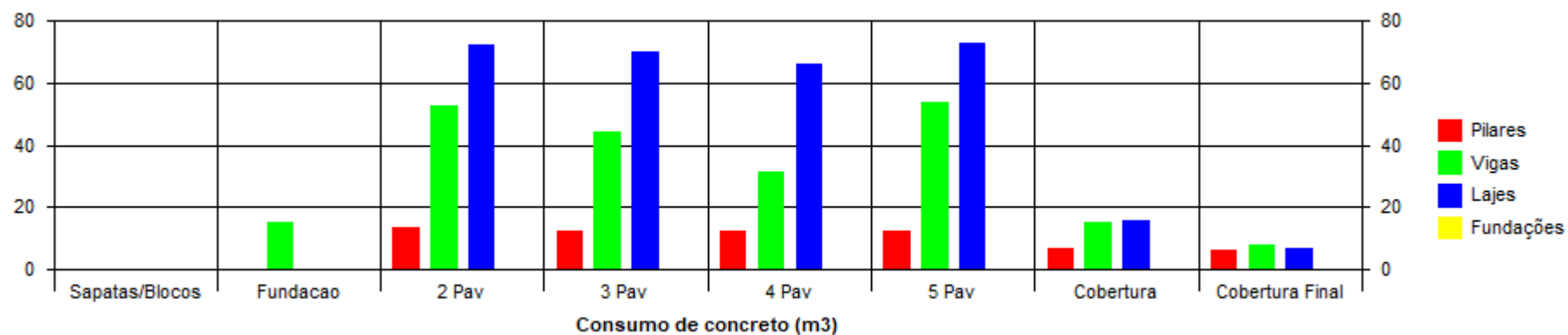


Consumo

Consumo de concreto e fôrmas

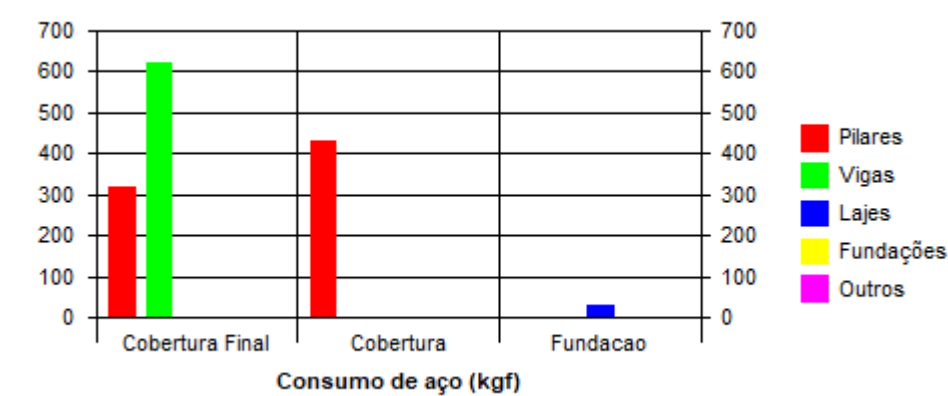
Pavimento	Concreto (m3)					Fôrmas (m2)				
	Pilares	Vigas	Lajes	Fundações	Outros	Pilares	Vigas	Lajes	Fundações	Outros
Cobertura Final	6.12	8.22	6.59	0.00	0.00	66.99	90.97	65.90	0.00	0.00
Cobertura	6.91	15.14	15.66	0.00	0.00	75.60	155.69	114.74	0.00	0.00
5 Pav	12.53	53.57	72.70	0.00	0.00	132.48	523.43	176.38	0.00	0.00
4 Pav	12.53	31.64	66.08	0.00	0.00	132.48	252.21	110.25	0.00	0.00
3 Pav	12.53	44.07	69.71	0.00	0.00	132.48	410.08	146.46	0.00	0.00
2 Pav	13.78	52.87	72.09	0.00	0.00	145.73	520.55	170.26	0.00	0.00
Fundacao	0.00	15.17	0.38	0.00	0.00	0.00	188.47	3.82	0.00	0.00
Sapatas/Blocos	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	64.40	220.68	303.21	0.00	0.00	685.76	2141.40	787.84	0.00	0.00



Consumo de aço

Pasta	Aço (kgf)				
	Pilares	Vigas	Lajes	Fundações	Outros
Cobertura Final	317	623	454	0	0
Cobertura	433	1184	965	0	0
5 Pav	781	4366	16894	0	0
4 Pav	724	3155	12095	0	0
3 Pav	780	4181	10675	0	0
2 Pav	1765	4955	15152	0	0
Fundacao	0	1241	33	0	0
TOTAL	4801	19706	56268	0	0

O consumo de aço nas escadas está incluso na coluna Outros.



Resumo do consumo e taxas

Pavimento/Pasta	Concreto		Fôrmas		Aço		
	Consumo (m3)	Taxa (m3/m2)	Consumo (m2)	Taxa (m2/m2)	Consumo (kgf)	Taxa (kgf/m2)	Taxa (kgf/m3)
Cobertura Final	20.94	0.25	223.86	2.69	1395	16.75	66.61
Cobertura	37.71	0.27	346.03	2.5	2582	18.64	68.47
5 Pav	138.79	0.25	832.29	1.47	22042	38.94	158.81
4 Pav	110.25	0.23	494.95	1.02	15974	32.79	144.89
3 Pav	126.30	0.24	689.02	1.3	15636	29.43	123.80
2 Pav	138.74	0.25	836.55	1.49	21872	39.03	157.65
Fundacao	15.55	0.41	192.30	5.05	1274	33.43	81.89
TOTAL	588.29	0.24	3614.99	1.5	80775	33.59	137.30

Os valores das taxas são divididos pela área do pavimento e o pelo volume de concreto.

Consumo de aço por bitola (kgf)

Pasta	Bitola (mm)												
	3.2	4.2	5	6.3	8	10	12.5	16	20	22	25	32	40
Cobertura Final	0	8	208	472	0	458	165	84	0	0	0	0	0
Cobertura	0	15	305	676	420	375	382	278	77	0	55	0	0
5 Pav	0	210	635	2662	715	1849	1433	1899	921	0	131	0	0
4 Pav	0	33	631	1462	750	1535	1399	1356	1315	0	521	0	0
3 Pav	0	144	612	2064	756	1506	1953	1189	1285	0	647	0	0
2 Pav	0	217	607	2617	754	1697	2160	1617	1505	0	808	0	0
Fundacao	0	2	193	205	45	324	273	180	53	0	0	0	0
TOTAL	0	629	3191	10156	3439	7744	7764	6603	5156	0	2162	0	0

Consumo de enchimentos de lajes

Pavimento	Enchimentos	
	50 x 17	50 x 50
Cobertura Final	0	0
Cobertura	0	0
5 Pav	102	610
4 Pav	102	610
3 Pav	102	610
2 Pav	102	610
Fundacao	0	0
TOTAL	408	2440