

ČVRSTOĆE I DEFORMACIJSKE KARAKTERISTIKE BETONA

Oznaka klase		C12/15	C16/20	C20/25	C25/30	C30/37	C35/45	C40/50	C45/55	C50/60	C55/67	C60/75	C70/85	C80/95	C90/105
f_{ck}	MPa	12	16	20	25	30	35	40	45	50	55	60	70	80	90
$f_{ck,cube}$	MPa	15	20	25	30	37	45	50	55	60	67	75	85	95	105
f_{cm}	MPa	20	24	28	33	38	43	48	53	58	63	68	78	88	98
$f_{ct,m}$	MPa	1.6	1.9	2.2	2.6	2.9	3.2	3.5	3.8	4.1	4.2	4.4	4.6	4.8	5.0
$f_{ctk,0.05}$	MPa	1.1	1.3	1.5	1.8	2.0	2.2	2.5	2.7	2.9	3.0	3.1	3.2	3.4	3.5
$f_{ctk,0.95}$	MPa	2.0	2.5	2.9	3.3	3.8	4.2	4.6	4.9	5.3	5.5	5.7	6.0	6.3	6.6
E_{cm}	GPa	27	29	30	31	33	34	35	36	37	38	39	41	42	44
ϵ_{c1}	‰	1.8	1.9	2.0	2.1	2.2	2.25	2.3	2.4	2.45	2.5	2.6	2.7	2.8	2.8
ϵ_{cu1}	‰	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.2	3.0	2.8	2.8	2.8
ϵ_{c2}	‰	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.3	2.4	2.5	2.6
ϵ_{cu2}	‰	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.1	2.9	2.7	2.6	2.6
n		2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.75	1.6	1.45	1.4	1.4
ϵ_{c3}	‰	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.8	1.9	2.0	2.2	2.3
ϵ_{cu3}	‰	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.1	2.9	2.7	2.6	2.6