


Production and Utilisation of CCPs in 2006 in Europe (EU 15) [kilo tonnes (metric)]

		Fly Ash	Bottom Ash	Boiler Slag	FBC-Ash	Other ¹⁾	SDA-Product	FGD-Gypsum				
		1	2	3	4	5	6	7				
CCP Production		40.403	6.137	1.770	936	127	504	11.212				
Subtotal 1 - 5		49.373										
Subtotal 6 - 7								11.716				
Total 1 - 7		61.089										
CCP Utilisation									Total	%		
Cement raw material	1	5.253	299				1		5.553	8,9		
Blended cement	2	2.652			41				2.693	4,3		
Concrete addition	3	6.119	56	224					6.399	10,3		
Aerated concrete blocks	4	801	20						821	1,3		
Non-aerated concrete blocks	5	277	1.255			43			1.575	2,5		
Lightweight aggregate	6								0	0,0		
Bricks + ceramics	7	78	24			82			184	0,3		
Grouting	8	915		107	1				1.023	1,6		
Asphalt filler	9	97							97	0,2		
Subgrade stabilisation	10	297	147		9				453	0,7		
Pavement base course	11	46	293	623	30				992	1,6		
General engineering fill	12	1.474	691				109		2.274	3,7		
Structural fill	13	1.154	34				62		1.250	2,0		
Soil amendment	14	49	254				2		305	0,5		
Infill	15	735	18		242		28		1.023	1,6		
Blasting grit	16		14	816					830	1,3		
Plant nutrition	17						27		27	0,0		
Set retarder for cement	18							615	615	1,0		
Projection plaster	19							861	861	1,4		
Plaster boards	20							5.556	5.556	8,9		
Gypsum blocks	21							306	306	0,5		
Self levelling floor screeds	22							1.612	1.612	2,6		
Other uses	23	153	1		36	2	92	13	297	0,5		
Reclamation, Restoration	24	17.899	2.492	0	512		82	1.931	22.916	36,9		
Temporary stockpile	25	767	193	0	63			401	1.424	2,3		
Disposal	26	2.528	355	0	2		101	8	2.994	4,8		
Total utilisation 1 - 23	27	20.100	3.106	1.770	359	127	321	8.963	34.746	56,0		
Utilisation rate in %	28	49	51	100	38	100	64	79				
Average utilisation rate in %	29	56										
Total utilisation 1 - 24	30	37.999	5.598	1.770	871	127	403	10.894	57.662	92,9		
Utilisation rate in %	31	92	91	100	93	100	80	96				
Average utilisation rate in %	32	93										
Reuse of stockpiled CCPs	33	891	9	0	0	0	0	91	991	1,6		
Total production 1-26 incl. reuse	34	41.294	6.146	1.770	936	127	504	11.303	62.080	100,0		

¹⁾ cenospheres, sludges, fly ash and slag from coal gasification