Article

Use of Biomass Ash in Reinforced Clayey Soil: A Multiscale Analysis of Solid-State Reactions

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Table S1: Bands assignments of treated soil until 60 days of curing for PR/PeA/GEOS and until 28 days of curing for PR/OlA/GEOS and PR/GrA/GEOS samples obtained from FTIR analysis. Band positions are indicated in wavenumbers (cm^{-1}). Bands assignations were made following [36–39]

Sample	Curing time (days)	Si-O-T (T: tetrahedral Si or Al) bending	CO_3^{-2} bending	Si-O-T (T: tetrahedral Si or Al) stretching	CO_3^{-2} stretching	H-O-H bending	O-H stretching
PR/PeA/GEOS	0	416 449 518	776 795 872	913 989 1029 1113	1418	1637	3370
	1	425 458 516	776 795 872	914 990 1028 1113	1416	1640	3373
	7	417 449 517	775 796 872	914 985 1027 1113	1418	1637	3373
	14	416 448 517	776 795 872	913 984 1026 1113	1417	1641	3374
	28	420 451 517	777 795 872	915 989 1029 1113	1417	1640	3374
	60	417 460 519	779 797 872	915 996 1030 1115	1414	1643	3374
PR/OlA/GEOS	0	425 451 519	776 794 872	913 994 1030 1111	1417	1637	3373

	1	418	776	913	1418	1638	3372
		447	796	986			
		517	871	1027			
				1113			
	7	415	776	913	1417	1638	3372
		452	796	989			
		519	872	1030			
				1113			
	14	417	776	914	1417	1641	3372
		453	795	988			
		517	872	1027			
				1114			
	28	417	776	914	1418	1634	3372
		456	796	995			
		519	872	1033			
				1112			
PR/GrA/GEOS	0	416	776	913	1417	1641	3369
		448	795	989			
		516	872	1027			
				1114			
	1	416	776	912	1417	1638	3370
		446	795	987			
		517	872	1029			
				1113			
	7	416	776	912	1417	1641	3376
		448	795	985			
		517	872	1025			
				1112			
	14	417	776	914	1416	1639	3372
		454	795	986			
		518	872	1031			
				1113			
	28	424	777	915	1416	1643	3373
		457	796	994			
		519	872	1031			

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