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Electronic Supplementary Information for

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Long-term leaching behaviours of cement composites prepared by hazardous wastes

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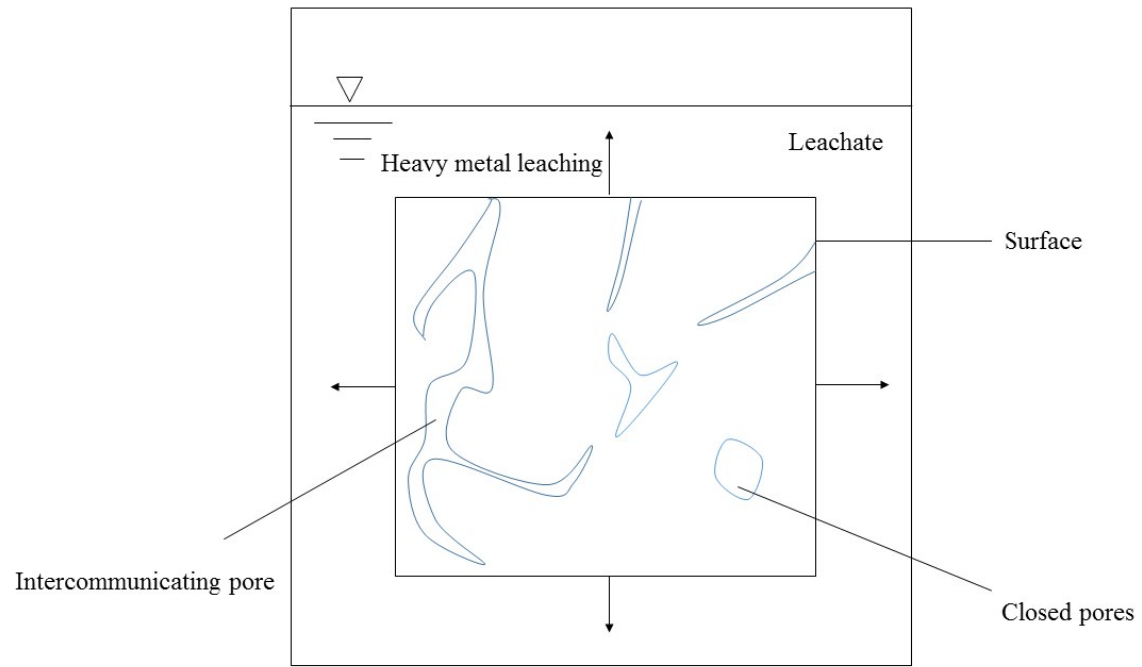
Table S1 The pH and electrical conductivity of leachates during the course of the experiment of 180 days

Sample	Parameter	Time (days)								
		3	7	14	30	60	90	120	150	180
Deionized water:										
Compact Cc	pH	11.7	11.6	11.5	11.6	11.5	11.2	11.3	11.4	11.4
	Conductivity (mS cm ⁻¹)	0.6	0.8	0.9	1.0	0.9	1.0	1.0	1.0	0.9
Coarse Cc	pH	12.3	12.4	12.2	12.3	12.2	12	11.8	11.8	11.8
	Conductivity (mS cm ⁻¹)	3.3	4.8	5.8	6.4	6.7	6.5	6.1	6.1	5.7
Fine Cc	pH	12.5	12.4	12.3	12.2	12.2	12.1	11.9	11.8	11.8
	Conductivity (mS cm ⁻¹)	3.4	4.2	6.4	7.4	7.5	7.1	6.7	6.7	6.6
Saline water:										
Compact Cc	pH	11.8	11.9	11.9	11.5	12	11.9	11.6	11.8	11.8
	Conductivity (mS cm ⁻¹)	44.6	44.7	44.1	42.1	41.3	40.4	39.0	39.8	39.0
Coarse Cc	pH	12.4	12.3	12.4	12.2	12.3	12.3	11.8	12.1	12.1
	Conductivity (mS cm ⁻¹)	47.0	46.8	46.7	45.0	44.0	42.7	43.5	43.6	42.3
Fine Cc	pH	12.4	12.4	12.4	12.2	12.3	12.3	11.9	12.1	12.1
	Conductivity (mS cm ⁻¹)	47.0	46.9	47.1	45.3	44.2	42.9	43.7	44.0	42.6

12 **Table S2** The porosity, average pore diameter and total intrusion volume of compact compistes prepared with EOPC, after 180 days of
13 exposure to deionized water and saline water.

Sample	Porosity (%)	Average pore diameter (nm)	Total pore volume (mL/g)
Cc (Deionized water)	12.7	27.9	0.064
Cc (Saline water)	11.7	33.7	0.051

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Fig. S1 Sketch of the leaching behavior of heavy metals in cement composites

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