

Table S2. Detailed compressive strength data of SSC adding TEA at 3 d (MPa).

3 d	Blank	TEA0.02	TEA0.04	TEA0.06	TEA0.08
1	14.90	21.18	20.73	21.65	23.53
2	13.05	18.54	21.78	22.98	20.95
3	15.15	17.64	24.48	23.80	21.33
4	15.18	17.91	21.63	24.25	21.43
5	16.25	18.13	22.78	23.38	24.88
6	13.53	19.01	22.78	21.85	23.30
average value	14.68	18.73	22.36	22.98	22.57
standard deviation	1.18	1.29	1.29	1.05	1.56

Table S3. Detailed compressive strength data of SSC adding TEA at 28 d (MPa).

28 d	Blank	TEA0.02	TEA0.04	TEA0.06	TEA0.08
1	23.09	29.75	33.18	29.98	34.69
2	23.69	28.95	32.93	30.70	33.22
3	21.35	28.48	29.40(X)	33.03	32.90
4	22.21	27.53	32.18	30.18	35.00
5	23.47	27.45	33.23	33.28	25.85(X)
6	25.17	25.88	34.20	33.18	41.83(X)
average value	23.16	28.00	33.14	31.72	33.95
standard deviation	1.31	1.36	0.73	1.59	1.05

Table S4. Detailed compressive strength data of SSC adding DEIPA at 3 d (MPa).

3 d	Blank	DEIPA0.02	DEIPA0.04	DEIPA0.06	DEIPA0.08
1	15.38	17.83	18.55	22.10	25.40
2	16.03	17.38	19.85	23.53	24.73
3	15.43	18.05	19.63	22.88	27.33
4	14.95	17.40	20.48	20.30	25.83
5	15.73	18.85	18.83	20.60	26.43
6	14.85	16.73	21.65	23.55	25.43
average value	15.39	17.70	19.83	22.16	25.85
standard deviation	0.45	0.72	1.13	1.43	0.91

Table S5. Detailed compressive strength data of SSC adding DEIPA at 28 d (MPa).

28 d	Blank	DEIPA0.02	DEIPA0.04	DEIPA0.06	DEIPA0.08
1	22.95	26.22	31.35	37.26	36.85
2	22.68	26.36	30.80	34.90	38.93
3	23.00	23.04	33.90	36.13	37.95
4	23.55	24.53	32.53	35.13	37.38
5	22.73	27.19	32.73	34.49	39.53
6	21.88	24.44	34.60	38.32	40.45
average value	22.80	25.30	32.65	36.04	38.51

standard deviation	0.55	1.55	1.45	1.50	1.37
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Table S6. Detailed compressive strength data of SSC adding TIPA at 3 d (MPa).

3 d	Blank	TIPA0.02	TIPA0.04	TIPA0.06	TIPA0.08
1	15.30	14.83	15.95	17.15	17.03
2	14.85	15.25	14.83	16.88	17.63
3	14.08	14.75	15.00	16.68	16.63
4	14.83	15.15	15.28	16.63	17.68
5	14.15	13.43	16.13	16.78	18.08
6	15.48	14.50	16.13	17.40	18.63
average value	14.78	14.65	15.55	16.92	17.61
standard deviation	0.58	0.66	0.59	0.30	0.72

Table S7. Detailed compressive strength data of SSC adding TIPA at 28 d (MPa).

28 d	Blank	TIPA0.02	TIPA0.04	TIPA0.06	TIPA0.08
1	22.55	20.73	20.28	invalid data	20.64
2	21.58	20.25	20.28	21.03	invalid data
3	21.35	invalid data	20.90	21.18	21.16
4	22.74	21.30	20.68	20.48	22.31
5	22.65	19.03	20.75	22.03	19.84
6	23.69	21.25	20.28	20.40	20.73
average value	22.43	20.51	20.53	21.02	20.94
standard deviation	0.85	0.93	0.28	0.65	0.90