

Appendix D

Summary of Papers Used for Determining Residual Surface Parameters

Table D.1: Summary of papers used for determining residual surface parameters.

Paper	Triaxial Loading Type	Lateral Loading Magnitude (as % of f'_c)	Concrete Strength (ksi)	Specimen Shape	Specimen Size (inches)	Water-Cement Ratio	Notes
Ansari and Li (1998)	Triaxial pressure vessel	18% - 93%	6.9 - 15.6	Cylinder	4 x 8	0.26 - 0.46	included mixes: two high strength, one normal strength
Attard and Setunge (1996), Attard and Setunge (1994)	Triaxial pressure vessel	0.4% - 25%	8.4 - 19.1	Cylinder	4 x 8	0.26 - 0.45	included mixes: four high strength, one normal strength; three different coarse aggregates
Jamet et al. (1984)	Triaxial pressure vessel	10% - 86%	4.2	Cylinder	4.33 x 8.66	0.53	
van Mier (1984)	True triaxial	2.5% - 33%	5.8 - 7.4	Cubes	4 x 4 x 4	0.50	
Xie et al. (1995)	Triaxial pressure vessel	1.3% - 50.4%	8.7 - 17.3	Cylinder	2.19 x 4.33	0.22 - 0.32	included three high strength mixes