

IA Checklist

T 22 Compressive Strength of Cylindrical Concrete Specimens

No.	Item	P	F	NA
1	Check the ends of the cylinder to verify that they do not depart from perpendicularity by more than 1/16" in 6" (0.5 degrees)			
2	Check the ends of the specimen for depressions > 0.20".			
3	Examined pads for splits or cracks.			
4	Have the pads been used more than 100 times (50 and 60 durometer pads)?			
5	If specimens are lab cured, are they being tested in moist condition?			
6	Are the cylinders, caps, bearing surfaces or extrusion controllers, and bearing blocks of the test machine free of loose particles?			
7	Was the cylinder properly aligned in the breaker?			
8	Was machine allowed to warm up before use, and zeroed? All settings correct for testing?			
9	Apply load at full advance until one half of the anticipated maximum load is attained, then slow to a rate of movement corresponding to a stress rate of 35psi/sec.			
10	Apply the compressive load until the specimen displays a well-defined fracture pattern.			
11	Record the maximum load and compressive strength to the specified accuracy. Express result to the nearest 10 psi			
12	Note the type of failure and appearance of the concrete.			
13	Has compression machine been calibrated within the last year?			

Remarks: