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| **PHYSICAL PROPERTIES** |
| **MIX PROPORTIONS BY VOLUME** |
| **Cement** | **Vermiculite** | **Sand** | **WET DENSITY****PCF** | **OVEN DRY****DENSITY****PCF** | **COMPRESSIVE****STRENGTH****28 DAYS PSI** | **"K" FACTOR** |
| 1 | 8 | 0 | 40-48 | 19-22 | 70-125 | 0.60-0.65 |
| 1 | 7 | 0 | 42-47 | 20-24 | 125-140 | 0.65-0.69 |
| 1 | 6 | 0 | 44-52 | 23-27 | 135-175 | 0.69-0.73 |
| 1 | 5 | 0 | 49-55 | 25-31 | 175-125 | 0.72-0.75 |
| 1 | 4 | 0 | 55-62 | 30-35 | 225-325 | 0.79-0.81 |
| 1 | 3 | 2 | 85-91 | 75-80 | 600-620 | 2.50-2.75 |