



Contaminated land: risk assessment for building materials: report of analysis of samples after immersion in solution for one year

Mass of 100mm cubes of Natural Cement (NC) concrete immersed in solutions A – G for 1 year

Project report number 79886/M6 2001

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| Cube identity | Initial mass/g | Final Mass/g | Mass change/g | Mass change /%N | Solution identity |
|---------------|----------------|--------------|---------------|-----------------|-------------------|
| NC-9 | 2342.5 | 2351.8 | +9.3 | +0.40 | A |
| NC-10 | 2354.3 | 2365.1 | +10.8 | +0.46 | A |
| NC-11 | 2347.0 | 2359.6 | +9.9 | +0.42 | A |
| NC-20 | 2376.2 | 2388.2 | +12.0 | +0.51 | B |
| NC-21 | 2351.6 | 2363.5 | +11.9 | +0.51 | B |
| NC-22 | 2354.2 | 2367.0 | +12.8 | +0.54 | B |
| NC-31 | 2360.1 | 2368.7 | +8.6 | +0.36 | C |
| NC-32 | 2361.8 | 2372.3 | +10.5 | +0.44 | C |
| NC-33 | 2426.9 | 2437.8 | +10.9 | +0.45 | C |
| NC-42 | 2351.7 | 2359.1 | +7.4 | +0.31 | D |
| NC-43 | 2353.4 | 2362.1 | +8.7 | +0.37 | D |
| NC-44 | 2357.1 | 2365.4 | +8.3 | +0.35 | D |
| NC-53 | 2344.8 | 2352.4 | +7.6 | +0.32 | E |
| NC-54 | 2361.0 | 2368.5 | +7.5 | +0.32 | E |
| NC-55 | 2350.6 | 2658.2 | +7.6 | +0.32 | E |
| NC-64 | 2367.4 | 2375.3 | +7.9 | +0.33 | F |
| NC-65 | 2327.8 | 2336.9 | +9.1 | +0.39 | F |
| NC-66 | 2380.3 | 2390.9 | +10.6 | +0.45 | F |
| NC-76 | 2327.7 | 2334.3 | +6.6 | +0.28 | G |
| NC-77 | 2365.9 | 2372.3 | +6.4 | +0.27 | G |
| NC-78 | 2327.4 | 2335.0 | +7.6 | +0.33 | G |

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