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| DOTLOGO2 |  **Illinois Modified AASHTO T 121 Checklist** **Unit Weight, Yield, and Air Content (Gravimetric)  of Concrete** |
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| The following is a summary checklist of the key steps involved in determining the unit weight of freshly mixed concrete. |
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| **Did the tester:** |  | **YES** | **NO** |  |
|  |
| 1. | Determine and record the weight (mass) of the empty container?  | [ ]  | [ ]  |  |
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| 2. | Dampen the container, the hand scoop or trowel, the tamping rod, and the strike-off plate?  | [ ]  | [ ]  |  |
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| 3. | Fill the container in three equal layers by volume, slightly overfilling the top layer?  | [ ]  | [ ]  |  |
|  |
| 4. | Rod each layer 25 times for a 0.5 ft3 (0.014 m3) or smaller container?  | [ ]  | [ ]  |  |
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| 5. | Rod the bottom layer throughout its depth, without forcibly striking the bottom of the measure?  | [ ]  | [ ]  |  |
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| 6. | Rod the middle and top layers about 1 in. (25 mm) into the underlying layer?  | [ ]  | [ ]  |  |
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| 7. | Tap the sides of the container smartly 10-15 times with the mallet after rodding each layer?  | [ ]  | [ ]  |  |
|  |
| 8. | Strike off the concrete level with the top of the container using the strike-off plate and clean off the rim?  | [ ]  | [ ]  |  |
|  |
| 9. | Determine and record the total mass (weight) of the container and concrete?  | [ ]  | [ ]  |  |
|  |
| Tester: |       | Observer: |       | Date: |       |
|  |
| REMARKS: |       |
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