

Virtual Masonry Laboratory

Lab 1 Worksheet:

1. What is one important design characteristic of masonry based on the sample wall laboratory?
2. Describe the simplified method of finding the IRA. What does a high IRA cause?
3. What is the flow of mortar if the final diameter is 8.4 inches and the initial diameter was 4 inches?
4. What is a standard flow rate of mortar for the laboratory?
5. What is the maximum air content for portland-cement lime mortar? Masonry cement?
6. Briefly describe how to mix mortar.
7. What are the five different mortar strengths? Which would you prescribe and why?