



CONSTRUCTION
INDUSTRY COUNCIL
建造業議會

Shotcretor (Wet Mix) Skilled Trade Test Mock Practical Test Paper

此文件關於噴射混凝土大工(濕料)工藝測試考題。如有需要索取此文件的中文版本，請致電 2100 9232 與工藝測試中心聯絡。

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Enquiries

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Trade Test Paper

Trade : Shotcretor (Wet-mix)

Grade : Skilled Worker

Test Contents : Complete the following tasks according to works requirements : -

1. Inspect tools, plants and materials, and point out to the invigilator the critical inspection items.
2. Inspect the surface to be shotcreted and check if it is ready for shotcreting. Point out to the invigilator the critical inspection items.
3. Apply shotcrete on surface not less than 50m² according to the works specifications.

Remark : Candidate is required to adjust the additive content for the wet-mix shotcrete.

Duration : 3 hours

Notes : (1) Candidate shall read the attached test requirements carefully
(2) Candidate will be marked as fail if he does not carry out safety precautions during the test;
(3) The test paper consists of 1 page. Total score is 100. Pass mark is 60

CIC Trade Testing Centre

Practical Test Notes

1. Candidates shall present the notification letter and ID card to the invigilator for checking and registration.
2. During the test, invigilator will periodically take photos for record purpose.
3. Candidate shall handle materials, tools and associated works by himself. He may arrange an assistant to hold the hose only and the assistant cannot present any ideas and working procedures.
4. Trade test will be terminated under the following circumstances:
 - a. Candidate feels uncomfortable or injury
 - b. Breakdown of machines (it is expected that it cannot be recovered in 45 minutes)
 - c. Unsafe environment
 - d. Inclement weather
 - e. Discontinue supply of shotcreting materials
 - f. Candidate fails to following safety precaution even after receiving warning from invigilator
 - g. Encounter unexpected event affecting the test, the invigilator may terminate the test.
5. At commencement and completion of test, candidates shall fill and sign on the attendance record. The invigilator will leave the site when the candidate has signed for completion. No retest is allowed.
6. (a) The minimum shotcreting area shall be 50m² or not less than 3.8m³ in volume on the shotcreting surface.
(b) The required thickness of the shotcrete is _____mm.

Applicant's Signature : _____

(I have read, understood & accepted the above notes)

Notes to Candidates :

1. Candidates should read the test papers carefully and ask the invigilator for any queries.
2. Candidates should study the drawings and specifications attached to test papers, if any, before the test begins.
3. Candidates should carry out the test according to test papers, working drawings and specifications provided.
4. Candidates shall bring their own safety shoes, other safety equipment will be provided by trade testing centre. Candidates must take all necessary safety precautions to ensure work safety.
5. All tools and materials required by the test will be provided by trade testing centre, candidates should check and ensure their adequacy and quality. Candidates shall use the tools and materials properly based on trade practice. All the tools must be returned to trade testing centre after the test. The candidates may ask the invigilator for any problems.
6. Candidates are required to handle and move the tools and materials for use in the test, and to carry out associated works.
7. Invigilator will take record photos periodically during the test.
8. Candidates are not allowed to take any photo or video with cameras or mobile phones.
9. Candidates are not allowed to use their mobile phones during the trade tests, except for emergency situation.
10. The marking scheme is based on the following criteria :

- a) Understanding of drawing and specification
- b) Preparation works before commencement of test
- c) Working procedures
- d) Accuracy and quality of works
- e) Progress of works
- f) Proper handling and use of materials
- g) Proper use of tools and equipment
- h) Safety precautions
- i) Considerate of other trades
- h) Housekeeping after completion of test

- 11. All candidates must stop when time is up.
- 12. Candidates are required to return the test paper to invigilator after the test.
- 13. Offering bribe to invigilator is an offence in law and trade testing centre will report to the ICAC for any such case.

In the event that the candidate fails to take any necessary safety precautions and / or works in any dangerous situations, he / she will be assessed failed