

Metal Scaffolder Intermediate Trade Test Study Material for Written Test

(Version : IML-SM-EN-01)



此文件關於金屬棚架工中級工藝測試技術知識測試（筆試）內容參考資料。
如需索取此文件的中文版本，請致電 2100 9000 與香港建造業工藝測試中心聯絡。

Disclaimer

No part of this material may be reproduced or transmitted in any form or by any means without the written permission from the Construction Industry Council (CIC). Whilst reasonable efforts have been made to ensure the accuracy of the information contained in this material, the CIC nevertheless would encourage readers to seek appropriate independent advice from their professional advisers where possible and readers should not treat or rely on this material as a substitute for such professional advice for taking any relevant actions. The CIC will not assume any liability in relation to any loss or damage directly or indirectly resulted from unintended or/and unforeseeable use of this document.

This document is provided as reference for test preparation only. Under all circumstances all content in the official test papers, including but not limited to the terms and conditions therein, prevails.

The CIC reserves the right, at its sole and absolute discretion, to change, update or delete the contents in this document at any time without prior notice.

The CIC reserves all rights of final interpretation for any content in this document.

Enquiries

Enquiries on this material may be made to Hong Kong Construction Industry Trade Testing Centre at:

Address: 95 Yue Kwong Road, Aberdeen, Hong Kong

Tel: (852) 2100 9000

Fax: (852) 2100 9090

Email: hkcittc@cic.hk

Website: www.cic.hk

Metal Scaffolder Intermediate Trade Test Study Material for Written Test

Study material to prepare for written test

This study material is a reference for candidate to prepare for attending written test in Intermediate Trade Test:

1. According to British Standard, the steel tubes used in tubular scaffold should have an outside diameter of 48.3mm.
2. The total level deviation of ledger should not be greater than 50mm.
3. The total vertical deviation of standard should not be greater than 50mm.
4. The vertical distance between two successive landings should not exceed 9m.
5. Vertical distance between ties should not be greater than 8.5m.
6. The joints in continuous diagonal bracing should be made by overlapping two tubes with minimum lap-length of 300mm.
7. The plan bracings of a working platform should be installed under the ledger.
8. When metal towers are required to be erected at a height exceeding the ratio of height to the least base dimension, additional ties should be installed at levels of approximately every 6m.
9. If scaffold system founded on sloping ground with slope ratio exceeding 1:10, the foundation should be checked to ensure the stability of the scaffold.
10. The function of the base plates is to prevent the standards from penetrating into the ground.
11. Standards of the scaffold if not plumbed will affect its loading capacity.
12. To erect a proprietary scaffold, it should follow the instructions given by the manufacturer.
13. The nylon net spread on scaffold should use fire retardant material for fire resistant purposes.
14. The plank forming part of the working platform should be not less than 25mm in thickness.
15. According to the Construction Sites (Safety) Regulations, "Form 5 – Scaffolds Reports of Results of Fortnightly or Other Inspections" should be signed by competent examiner or competent person.
16. When using wire rope in lifting bunched steel tubes, two wire ropes should be used normally.
17. The definition of "Advantage" stated in "Prevention of Bribery Ordinance" includes gift, loan and any other service.

18. To erect or dismantle metal scaffold under outdoor environment, it is important to be aware of the weather conditions especially under thunderstorm warning.
19. When storing the components of the metal scaffold, tubes shall be stacked and bunched properly to prevent tubes from rolling which causes risk.

Precautions

This document is provided as reference for test preparation only. Under all circumstances all content in the official test papers, including but not limited to the terms and conditions therein, prevails. There are different versions of the test paper, content include but not limited to tools, materials, equipment, drawing, construction details or procedures and different simulated site environments. Candidates should refer to the official test documents during testing.

The CIC reserves the right, at its sole and absolute discretion, to change, update or delete the contents in this document at any time without prior notice.