

# Asphalter (Road Construction) Intermediate Trade Test Study Material for Written Test

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此文件關於瀝青工（道路建造）中級工藝測試技術知識測試（筆試）內容參考資料。  
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# Asphalter (Road Construction) Intermediate Trade Test Study Material for Written Test

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

1. Before laying of asphalt concretes, temperature test should be conducted first.
2. Before laying asphalt, the function of the sign on both sides of the road is to mark the pavement level.
3. To measure the temperature of the asphalt concrete, thermometer should insert into the asphalt concrete.
4. Before paving asphalt concrete on road, road tar (cold tar or prime coats) should be spray on the surface of base course.
5. When laying hot mix asphalt layer by layer, road tar (cold tar or tack coats) should be applied at the interface of each asphalt layer.
6. If sprayed road tar (cold tar/tack coat) were dried up before laying asphalt concrete, one should spray another layer of road tar (cold tar/tack coat) again.
7. The purpose of spraying a layer of road tar (cold tar/tack coat) before laying asphalt concrete is that it can increase the bonding between each layer of asphalt concrete.
8. If the appearance of the delivered asphalt concrete shows partially white colour, it indicates that there exists mixing problem between asphalt binder and crushed aggregate such as asphalt expires, and aggregates fall out (wait for long time after mixing and mixed material disintegrated).
9. When asphalt concrete delivered on site, paving machine (paver) would be used for asphalt paving most commonly and appropriately.
10. To compact the asphalt concrete at turning and edge location, one should use rammer and vibrating plate.
11. Before laying asphalt concrete, base course should be well compacted without any loose material. If not, one should use compacting roller to well compact it in order to satisfy the requirement.

12. During the process of asphalt road maintenance, asphalt concrete should be paved layer by layer and compacted with respect to the work specifications.
13. After paving concrete and asphalt on road surfaces, road roller should be used to compact the asphalt road surfaces.
14. When paving asphalt on road surfaces, shovel should be used to adjust the level and thickness of asphalt on roads.
15. In case of any corruption/act of bribery happen in construction industry, it will cause decline in work quality.
16. Voluntary service is not a common corruption trap in the construction industry.
17. According to Factories and Industrial Undertakings Ordinance, every person carrying out construction work should hold valid certificate of Mandatory Basic Safety Training Course for Construction Industry, also known as Green Card.
18. The validity period of “Chains, Ropes and Lifting Gear Certificate of Results of Thorough Examination” (Form 7) is SIX months.
19. When working in dusty environment, one should put on dust mask in order to prevent inhaling dust.
20. One should wear ear protector when working under noisy environment.

#### **Precautions**

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