

隔間灌漿牆替代傳統隔間牆-以商務會館為例

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摘要

The construction industry has used RC and brick as partition for a long time in Taiwan. These methods require physical load large amount of high-risk skilled labor. Since the Government has promoted the construction automation, alternative construction methods and new materials have been development and imported from other countries. This has changed the internal partition methods for building construction. The previous interior partition construction can not effectively reduce in construction time and cut-down the cost. How to reduce the time and cost is the major goal for local construction companies.

The modern high-rise building has been seeking for lighter materials, standardization, rapid construction and on-site waste reduction, to reduce the construction period of the internal partition is more urgent. The traditional interior partition engineering methods has its historical background, but it can not effectively reduce the duration and cut down the cost. Due to the promotion of green building and environmental protection, the light partition walls have been used gradual increase for recent years. This study promotes a grouting partition wall to replace traditional interior partition system. The differences of construction schedule and required cost have been analyzed for both grouting partition wall and traditional interior partition system. The key note for using grouting wall system has been introduced as the reference for future use for both design and construction engineers.

關鍵字：Grouting Partition Wall, Alternative Materials