

STUDY	COMPARATIVE STUDY BETWEEN MASONRY AND INTERLOCKING BLOCK
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STUDENT	MR.NUTDECHATON SUTIVAREEPONG
ADVISOR	ASSISTANT PROFESSOR PAIJIT PAWAN
PROGRAM	MASTER OF SCIENCE IN CONSTRUCTION MANAGEMENT
FACULTY	ARCHITECTURE SRIPATUM UNIVERSITY
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ABSTRACT

This study aims to compare Masonry brick wall and Interlocking block. The Interlocking block is a replacement for Masonry wall for the country buildings, where the buildings feature single or two storey. This research was to study the construction of the two approaches in terms of time, cost and quality of strength by collecting data from test sites as Sripatum University Bangkok.

The results of this study showed that the time period spent for masonry plaster was - 23.57 hour, however, brick block synchronization took just only 6.00 hours. Thus, brick block synchronization was 17.57 hrs or 3.92 times faster than Masonry brick wall for the same block of building.

On the other hand, the cost of Masonry brick walls - plaster was 5466.90 Baht (496.99 baht / SQM), meanwhile, plaster for Interlocking block cost 6,975.00 Baht (634.09 Baht / SQM). The cost of plaster for block was 1508.10 Baht (1.27 times / SQM) more than Masonry brick wall.

Nevertheless, the strength test standards name BS 5234, Large Soft Body Impact walls, revealed that both kinds of wall structures can pass SD (SEVER DUTY) test level. The test is to examine the area with the intense level of commute of outsiders, such as industrial sheds, parking garages, sporting venues. The hanging test material can support up to 60 Kg without any change of the test.