

PROJECTTITLE	FOAM MORTAR
PROJECTCREDIT	3 CREDITS
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ABSTRACTS

Objective of this research is to study mixing between EPS Foam and Mortar using EPS replacing sand at 0 – 100 % .Three testing methods were conducted : compressive strength test , flexural strength test , and absorptic test . The result showed that compressive strength was dropped dramatically due to increasing of EPS foam. Weight of specimen was also dropped due to higher foam proportion.

Flexural strength graph was shaped similar to compressive strength graph. Maximum relative flexural strength was stated at 0 % foam , the strength was dropped unit 50% foam, increasing at 60 % and dropped dramatically unti 100 % foam which was the maximum point. Absorption graph was presented as reverse shape which is maximum at 60 % of foam proportion.