

عنوان مقاله:

Sarooj Ancient Mortar Introduction, it's Mix Design and Application from New Perspective

محل انتشار:

کنفرانس بین المللی عمران ، معماری و منظر شهری (سال: 1395)

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خلاصه مقاله:

Sarooj mortar existed throughout before Islam and has been used frequently in Iran since 1200 B.C . Before using Portland cement as an adhesive material throughout the history. Sarooj has been used until the last decades; across the Persian Gulf, the most different climates which proves that Sarooj is highly compatible with different climates. Though with the advent of new civil technologies in construction field, this mortar became forgotten. This ancient mortar which is considered as one kind of retention mortar is obtained by combining several main ingredients, including (lime+ ash+ sedge+ water) and some other additives. In addition to using this mortar in construction, it is used in decoration, retention and coffering in monuments which is called Sarooj molding (stucco) art. In this article we will focus on recognizing (reviewing) this traditional ancient mortar ingredients, preparation method, and advantages of using this mortar, then we will introduce some ancient monuments constructed using this mortar. Moreover we will introduce some other mortars obtained from main mixture of lime which is called special Sarooj in common word

کلمات کلیدی:

waterproofed mortar, Sarooj, Lime, Restoration, Sarooj ingredients and process

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