

The amount of stone used in Athens solar glass

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The series profiles the fascinating people, from ancient Greece and China to late 19th century New York to today, who have made the present day solar revolution possible.

Ancient natron glass was essentially a mixture of three components: quartz sand, fluxed with a soda-rich mineral matter called natron and stabilised with lime. The natron used was a fairly pure soda source, ...

Individual homes were oriented toward the southern horizon, and entire cities were planned to allow their citizens equal access to the winter sun. A solar-oriented home allowed its inhabitants to depend less ...

The house's earthen floors and adobe walls absorbed and retained much of the solar energy that came in through its window openings facing the courtyard. In the evening, when the ...

This essay explores the deliberate use of passive solar principles in ancient Greek and Roman architecture, tracing their origins in philosophical thought, their articulation in domestic and ...

Athens was indeed blessed in its building stones, as in its fine clay. The immensely complicated geophysical processes which created the exquisite landscape of Attica produced a variety of useful ...

In general, the Piraeus stone has been used to some degree in almost all the Acropolis monuments (with very few exceptions).

In order to increase this you would need some solar input into the house. If the sun is straight up most of the time, not much of it can be expected to enter through vertical glass. With slanted glass you could ...

In Athens of the 5th Century BC, lived the great astronomer and geometrician Meton who carried out his observations using his heliotropium (heliotrope), a kind of improved sundial. He might have placed ...

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The ancient Greeks used marble, limestone and clay in most of their temples because there was a lot of it and not many forests. Even though there were fewer forests and trees they did make simple ...

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