



Building Materials

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Natural building materials

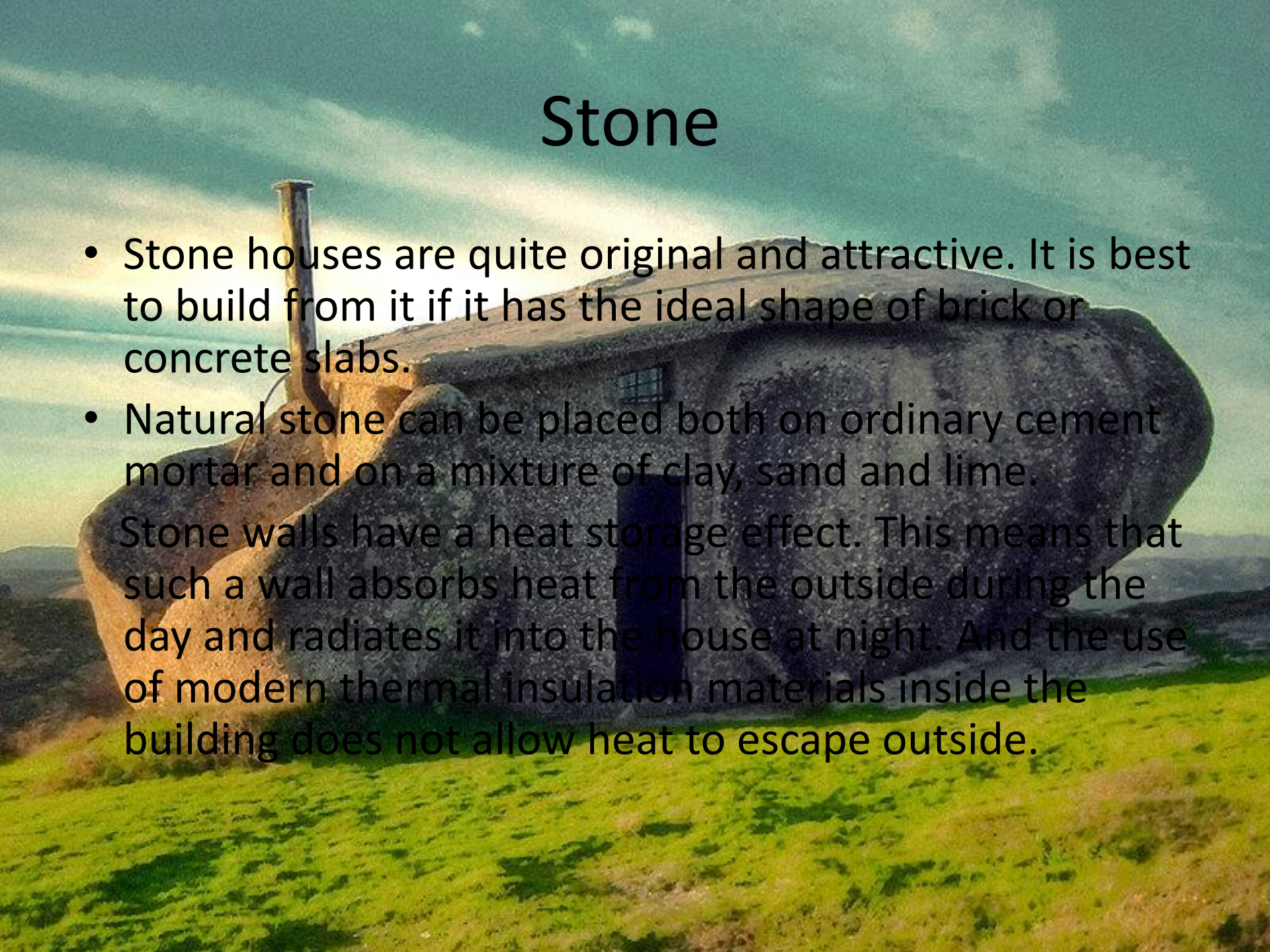
Now the classic building materials are steel, wood, concrete. Their production has a negative impact on the surrounding world and the environment. The use of natural materials that require minimal processing can significantly reduce the harmful impact on the environment.



Stone

- Stone houses are quite original and attractive. It is best to build from it if it has the ideal shape of brick or concrete slabs.
- Natural stone can be placed both on ordinary cement mortar and on a mixture of clay, sand and lime.

Stone walls have a heat storage effect. This means that such a wall absorbs heat from the outside during the day and radiates it into the house at night. And the use of modern thermal insulation materials inside the building does not allow heat to escape outside.



Straw

A modern straw house with a wooden frame and large windows. The house is built with straw bales and special cladding panels. The walls are plastered and the house is surrounded by trees.

- To build a modern straw house, straw bales and special cladding panels are used. The strength element of the house is a wooden frame or aluminum profile. The finished walls are plastered.
- Straw panels have good thermal insulation, which means significant savings in heating the house. The first question that comes to mind is: how well do the panels burn? After all, straw is a fairly flammable material. And they burn badly. This is due to the fact that the straw is very tightly pressed into the panels, while being covered with plaster, and it contains very little air. Parasites don't like a wall like that either.

Bamboo

A photograph of a traditional bamboo house with a steeply pitched roof, surrounded by lush tropical vegetation including palm trees and large green plants. The house is built from bamboo poles and has a natural, earthy appearance. The scene is brightly lit, suggesting a sunny day in a warm climate.

- Before using bamboo in construction, it is treated with special compounds, making it waterproof and insect resistant.
- The technology of construction from bamboo is that the thick stems of this plant are fastened together in different ways, forming walls. Also, finishing boards and floors are made from it.
- Of course, in Russia it is not advisable to build houses from bamboo. This is due to the high cost of imported bamboo, and our cold weather will be stronger than let's say in Japan, where such construction is traditional.

Thank you for you attention!!!

The End