

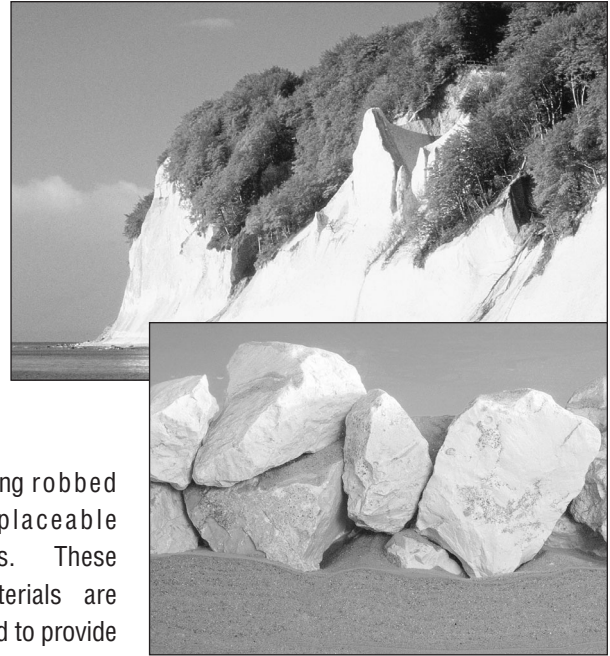
F. Ecology

The Ingredients - Use of Natural Resources

AERCON is a purely mineral-based building material, made from sand, water and limestone. These natural materials are major components of the earth's crust and can be found in almost unlimited quantities throughout the world. Since the sources of the raw materials are practically inexhaustible, the environment

is not being robbed of irreplaceable resources. These raw materials are processed to provide a building material with a large number of air pores - aerated concrete. Due to our unique hydration process, the batched mixture

of raw materials "rises". Thus, one unit of volume of raw materials will yield five units of volume of AERCON.



Environmentally-Protective Production Process

Chemically, AERCON is a calcium silicate hydrate that is created during the hardening of the raw material mixture. This is the equivalent of the mineral, "Tobermorite", that occurs in nature. A rising agent acts as a pore generating agent. After stiffening, the risen mass is cut into the desired dimensions and then steam-cured under pressure in an autoclave. During the production process, there is no emission of toxic or environmentally hazardous by-products.

During the trimming process, the trimmings are returned to the initial mixture, eliminating

the loss of raw materials.

Energy is saved in the curing process where the hot steam used in the autoclaves is

reclaimed for reuse. This technically advanced process conserves precious energy resources.



The steam curing production method helps conserve energy since steam curing is carried out at relatively low temperatures and thermal energy is recovered for maximum efficiency.