



162162

CALCIUM SILICATE BOARD AND METHOD OF MANUFACTURING SAME



G00002

ABSTRACT OF THE DISCLOSURE

A calcium silicate board according to the present invention contains a calcium silicate hydrate crystal matrix, anhydrous calcium sulfate (II), reinforcing fibers, and a carbonate substance which decomposes at 700 to 850°C, wherein the content of the carbonate substance is 5 to 30 wt%. The calcium silicate board excels in fire resistance with an aeration rate of $1.5 \times 10^{-5} \text{ ml} \cdot \text{cm} / \text{sec} \cdot \text{cm}^2 \cdot \text{cm H}_2\text{O}$ or more and excels in non-combustibility.

Figure 1