

BOTTLE OVEN TYPE 4

CALCINING KILN



Potteries
Bottle
Oven
Day

A calcining kiln was not used for firing pottery but for burning or 'roasting' flints or animal bones to make them relatively soft and friable before they were crushed and ground for use in the pottery body recipe. The kiln fired the materials to very high temperature (above 1000°C) to make them easily crushed to a fine powder.

Calcining kilns for flint or bone were similar in construction. The kiln could consist of one or two firing chambers. If the kiln had two chambers, side by side, a single chimney served both.

Flint is a major constituent of pottery bodies such as earthenware, sanitary earthenware, and wall tiles. It increases firing temperature and craze resistance but reduces plasticity and shrinkage.

Bone is a component of a particular type of pottery which is known as Bone China. Calcined animal bone, usually cattle bones are used.

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Bottle
Oven
Types