

The invention relates to the electrothermy, preferably to ore-thermal furnaces and can be used in the production of electrode masses for self-caking electrodes of electrical furnaces. A method for the preparation of electrode mass involves anthracite breaking, roasting thereof, dissipation, mixing with binder and shaping. While anthracite roasting it is heated in the range of temperatures of 600-1200°C at a rate of 25-75°C/min. Heating rate may be regulated by change of roasting zone length. Use of the invention allows to reduce waste of anthracite while roasting in rotary furnaces, reduction of ash growth and increase of service durability of self-caking electrodes.