

The invention relates to the field of ferrous metallurgy, in particular to the structure of main trough of the blast-furnace. The main trough of the blast-furnace contains changeable protective refractory layer and heat-conducting constant layer. The constant layer consists of interconnected profiled module. Modules have voids, grooves and projections which form during connection the connected channels for refrigerating medium circulation. The inner surface of channels has a protective coating. The invention provides an increase in through service life due to reducing the rate of erosion of the surface thereof.