

This invention is pertinent to non-ferrous metallurgy, in particular to methods for obtaining and refining magnesium by electrolysis of electrolyte with magnesium chloride melt. Magnesium chloride mass part is kept within 0.50 – 1.00. This provides increase of durability of non-metal construction materials (graphite cathode or bipolar electrode, diaphragm and lining), through which direct current flows in the process of magnesium electrolytic liberation.