

A method for electric arc surfacing includes preliminary application of a coating to a surface to be surfaced. The coating is applied by beads with width 8.10 mm along the surfacing direction with a pitch of 6.4 mm, an electrode is mounted with offset 2-5 mm relative to the edge of coating bead, coaxially to the electrode an external axial magnetic field is generated with induction 20-50 mT. As a coating a mixture is used, containing iron powder, modifying components (carbides, oxides) and a primer.