A method for formation of impervious screen includes step-by-step injection of plugging mix, wherein injection is performed by means of injection to designed depth. Besides that, before the injection process forced removal of water from the section of earth massif is performed, then the places of introduction of injection pipes with given interval enough for formation of continuous filtration-proof wall are determined, and supply of solution at given pressure is realized through the injection pipes, with application of formed additionally periodical pressure pulses on stationary flow of solution, those are formed by means of a generator of hydraulic pulses.