

A Evaluation of Practical Performance of Improved Glued-Insulated Railjoint

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Recently, a number of defects of glued-insulated railjoint, i.e. fishplate damages, loss of glue, and malfunction of insulation have been detected; therefore improved glued-insulated railjoint has been developed. In this study, we carried out an evaluation of practical performance of improved glued-insulated railjoint installed in meter-gauged track and Shinkansen standard-gauged track, and verified the effect of anti-corrosion and durability of the fishplates of the improved glued-insulated railjoint. To prevent fishplate bolt failure, we have proposed reducing fastening torque of nuts for fishplate bolts and discormity of paralleling fishplates on the both sides of rail.