Method for applying coating to piston rings using electric arc metallization method, which involves pre-treating product surface for coating via shot blasting. The coating process using electric arc metallization method is performed simultaneously on several piston rings by melting and diffusing two wires, one of which is made of chromium, and depositing substances on ring surfaces as they rotate. Titanium wire is used as the second wire. The coating process is carried out at a current of 250-400 A and a voltage of 40-42 V for 45-55 minutes, with the wires positioned 110-120 mm from the point of intersection of wires to surface being coated, and rings are rotated at a speed of 45-55 rpm, resulting in the formation of multi-component chromium-titanium wear-resistant coating with a 50:50 composition and a thickness of 0.6-0.8 mm.