

Long Service-life Slide Gate Plate

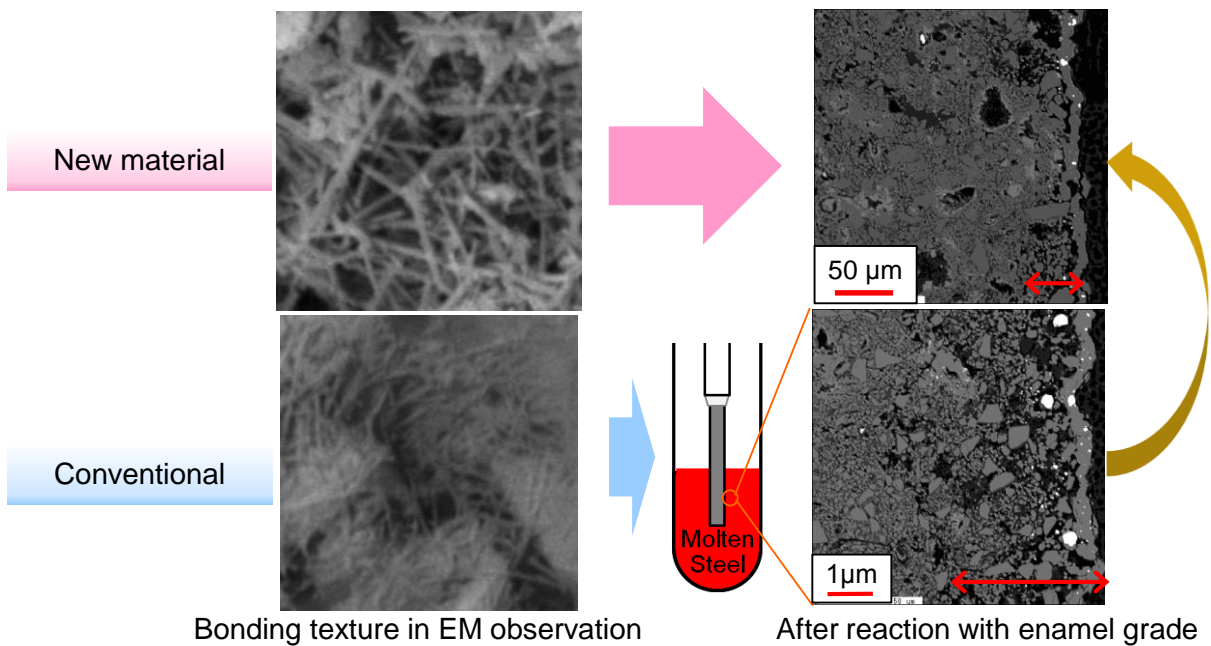
for Ladle and Tundish



Shinagawa has developed long service-life slide gate plates. They have both of good thermal shock resistance and superior surface and bore-edge damage resistances, and performs excellently under the various severe conditions.

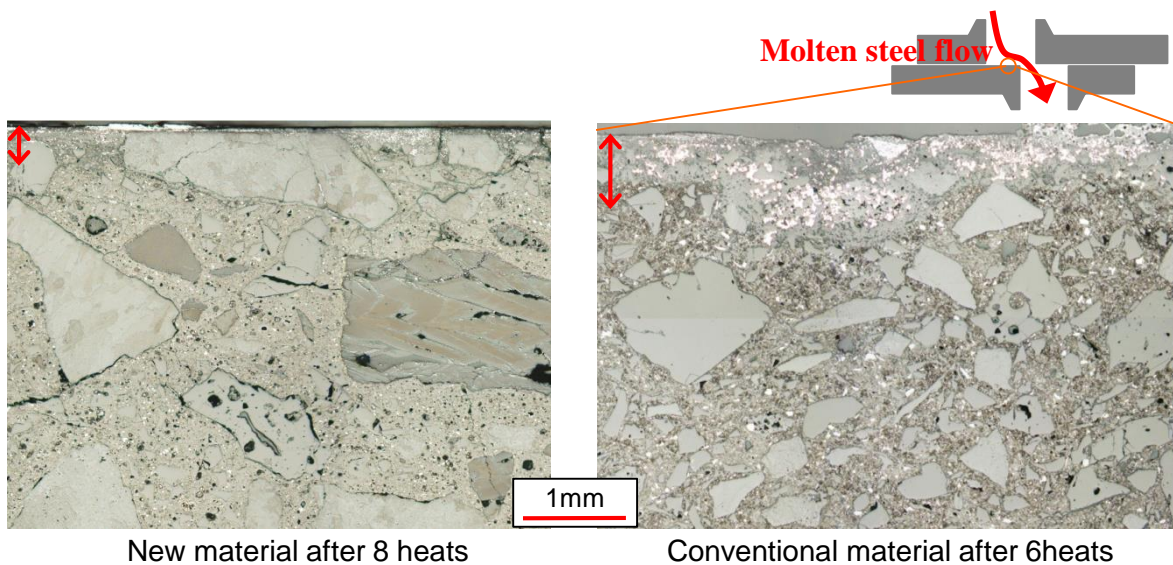


Bonding Texture Improvement



Bonding texture of new material is thicker and closely arranged. It gives superior mechanical properties and contribute to reduce deteriorated layer at the surface of the plate by molten steel attack. Even against aggressive enamel grade, new material reduced steel penetrated reaction area.

A Result at Actual Caster



Generally the life of slide gate plate is limited by the surface and bore-edge damages. Our materials give high physical strength and suppress surface and edge damage to realize long service-life. Conventional material has some 1mm steel penetration area and new material has slight reaction area.