

Surface Treatment Technologies for Automotive Materials

Hidekazu FUKUSHI※⁽¹⁾

Hirokatsu BANNAI※⁽²⁾

Abstract

Zinc phosphate and zirconium conversion treatments are well known surface treatment technologies for automotive materials. In particular, zinc phosphate has a long history which we review here as well as the transition of our technologies over time and the future perspective in this special edition of our Technical Report to celebrate the upcoming 100th anniversary of the foundation of our company.

※⁽¹⁾ Manager, Functional Coating Design Center II, Core Technologies Research Division, Parker Innovation Center

※⁽²⁾ Manager, Chemical Conversion Coating Development Center, Core Technologies Research Division, Parker Innovation Center