Dispersants for the stabilization of aluminum effect pigments

Evonik Coating Additives offers a broad variety of dispersing additives. Recent testing determined that products from the CARBOWET®, TEGO® Dispers, and ZETASPERSE® lines performed well with aluminum pigments in waterborne metallic-effect coatings. The performance with different metallic-effect pigments were tested: untreated, silane-encapsulated, phosphor organic, and chromium treatments. The additives’ influence on viscosity, pH-value, gassing stability, and storage stability as well as the metallic effect after application were checked. The experiments provided excellent recommendations for all metallic-effect pigments, even untreated aluminum pigments for waterborne coatings.