

Abstract

Coated fiber-reinforced polymer (FRP) composites have attracted attention due to their superior mechanical properties and flexibility. Advances in coating-FRP are improving performance in areas such as interfacial bonding, environmental resistance, and multifunctionality. However, there are still issues in attaining uniform coating thickness, adherence, and long-term durability. This review briefly discusses the current research on coated FRP composites, focusing on recent advancements, preparation techniques, properties, current challenges, and future prospects.