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Plastic in Home Building and Construction Applications

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Abstract

The application of plastic in home building and construction has increased from year to year in the past 20 years ago. Well-established applications of polymers in home building and construction include products used for flooring, windows, cladding, pipes, seals, insulation, coatings, structural membranes and so on. As compared to metal, wood, and ceramic, the plastic material has interesting properties that can be improved by blending or adding various additives (such as flame retardant, reinforcement fillers, antioxidants, etc.). In this review article, polymer-based building and construction materials are introduced, especially in primary plastic material and the application of wood-plastic composites (WPC) materials.

Keywords

Plastic in construction; Plastic in home building; Plastic materials; Wood plastic composites

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