

Modern composites in transportation constructions

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The large variety of existing modern composite materials and products on the construction market provides a number of possibilities for their use. However, at the same time the world is facing many challenges due to the daily deterioration of the environment and the depletion of non-renewable resources. New technologies and materials are being sought to combat these issues. As one of possible solutions is the innovative use of polymers in transport construction. This paper focuses on the investigation of the material properties of two different materials (hybrid composite and foam concrete). The main idea of the research is the development of new composite materials with higher strength and durability compared to traditional types of materials used on construction site.