

Adhesion Study of Repair Mortar Based in Dune and Crushed Limestone Sand

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Abstract : In recent years, great interest has been directed towards the use of local materials and natural resources in building and public works. This is to satisfy the enormous need for these materials and contribute to sustainable development. Among these resources, dune sand and limestone crushed sand, which can be an interesting alternative to the replacement of siliceous alluvial sands for the formulation of a repair mortar. The results found show that the particle size correction of dune sand by limestone sand and the addition of a superplasticizer are very beneficial in terms of adhesion and mechanical strength.

Keywords : repair mortar, dune sand, crushed limestone sand, adhesion, mechanical strength

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