

A MODEL FOR THE SELECTION OF A GEOTEXTILE BEEN LAID IN THE PAVEMENT - SUBGRADE INTERFACE

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SUMMARY

The use of geotextiles is continually expanding in the fields of highways and pavement engineering. One of the most important applications in this field is the fulfillment of the functions of reinforcement, separation, filtration and drainage by a geotextile been laid in the pavement - subgrade interface. The scope of this paper is to propose a procedure for selecting the most suitable geotextile for any specific pavement application. The procedure is developed into a system of tables connecting the functions of a geotextile in the geotechnical system, with the properties which it should possess and the best experimental procedure for their determination. According to the gravity of each property, limit design values are proposed. Some economic parameters, which influence the selection procedure of the most suitable geotextile, are also evaluated.