

THE USE OF ASPHALT MIXTURES WHEN CREATING AIRPORT MOVEMENT SURFACES

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Rezumat. *Lucrarea prezintă principalele cerințe care trebuie îndeplinite de amestecurile de asfalt utilizate pentru a face suprafețele de mișcare a aeroportului. În acest sens, sunt prezentate materialele care fac parte din amestecurile de asfalt destinate suprafețelor de trafic aeroportuar. Testele de laborator care se efectuează pentru stabilirea rețetei pentru fiecare dintre materialele componente și condițiile de admisibilitate pentru acestea sunt prezentate conform normelor în vigoare. În cele din urmă, sunt prezentate caracteristicile fizico-mecanice ale amestecului de asfalt utilizat pentru realizarea suprafețelor de mișcare a aeroportului.*

Abstract. *The paper presents the main requirements that must be met by the asphalt mixtures used to make the airport movement surfaces. In this sense, the materials that are part of the asphalt mixtures intended for airport traffic surfaces are presented. The laboratory tests that are performed to establish the recipe for each of the component materials and the admissibility conditions for them are presented according to the norms in force. Finally, the physical-mechanical characteristics of the asphalt mixture used to make the airport movement surfaces are presented.*

Keywords: Bituminous mixture, aggregates, bitumen.

1. Introduction

Air transport is an alternative to traditional modes of transport, respectively, rail, car, and naval.

The improvement of the aircrafts led to the development of the aeronautical industry and with the development of the aeronautical industry, the necessary infrastructure was developed. Thus, the first airports were built starting 1909, and the need to ensure all functional facilities, such as airport movement surfaces, buildings for passengers and goods, auxiliary installations, etc., led to the continuous improvement of the airport system [1].

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